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FIELD ARTILLERY

The address on "Field Artillery," delivered by Major William J. Snow, Third Field Artillery, at the recent meeting of the National Guard of Pennsylvania has been greeted with much interest in military circles. Major Snow has made a thorough study of the subject of field artillery, a branch of the service of the greatest importance just now. The Journal takes great pleasure in publishing the address in full, and is hopeful that the suggestions of Major Snow may result in some betterment of the present conditions.

The address follows:

"Mr. President and Gentlemen of the National Guard Association of Pennsylvania: I desire to thank you for the opportunity to address the members of the National Guard of Pennsylvania and to state that I highly appreciate the honor you have conferred upon me by asking me to address you on this occasion.

COMPANY E, SIXTH INFANTRY, CAPTAIN LOUIS L. TAFEL, COMMANDING, IN THE FIELD AT MT. GRETNA, 1911.

The company is one of the best known infantry units of the Guard, and for years has been rated among the leaders of the State. Captain Tafel is one of the new school officers and an excellent company commander.

"The subject assigned to me is 'Field Artillery.' This is a big subject, capable of sub-division into many separate heads. In the present paper, however, I shall attempt merely to touch upon such phases of the subject as would seem to be interesting to you gentlemen. The principal part of the subject in which we are all interested is, 'What help may be expected from field artillery on the battlefield, and how well are we provided with this arm?' But before we can come to a decision as to what may be expected from the present gun we must form some idea as to its use, and this of course depends upon the efficiency of the gun and its ammunition. I will begin, therefore, by reminding you of the fact that the importance of fire action has steadily increased for generations, until now it occupies a preponderating importance. The importance of movement or manoeuver has correspondingly decreased, until we have now reached the stage of the 'empty battlefield.' Field Artillery represents the highest development of fire action. The present gun is of the rapid-fire type, the gun recoiling on the carriage itself and automatically coming back on the target in less than two seconds after each shot. The gunner may keep his eye at the sight during the firing, and by means of two hand-wheels follow a moving target for a short space while the firing continues. The gun can also be placed behind a hill and fired over it, thus rendering it impossible for the enemy to know where the shots come from. The principal projectile is the shrapnel, which is a case containing several hundred balls, the case discharging the balls just in front of and above the target so that they spread out like a lawn-sprinkler. Each shrapnel when it thus bursts covers a space of about 250 yards deep and 20 yards wide.

"It has come to be generally recognized that the infantry is the army. It conquers the ground and sustains the greatest losses. All other troops are auxiliary and are intended to facilitate the work of the infantry. The field artillery long regarded itself as independent, and there was not that team work between it and the infantry so vital in war. But now the field artillery itself has gone further than any other arm in giving up these cherished traditions and in subordinating itself to the infantry. At present the field artillery seeks only to know how it can best be employed to aid the infantry. The only classical artillery duel, where each artillery sought to destroy the other, the whole procedure being an act independent of the infantry and preliminary to the infantry fight, has disappeared and a more rational procedure now obtains. The present procedure is somewhat as follows:

"The two armies are facing each other and attacking each other. On our side, certain batteries, designated infantry batteries, are at-

FIRST LIEUTENANT AND ASSISTANT SURGEON EUGENE H. DICKENSHIED, MEDICAL CORPS, ASSIGNED FOURTH INFANTRY.

First Lieutenant and Assistant Surgeon Eugene H. Dickenshied, Medical Department, assigned Fourth Infantry, is a graduate of the University of Pennsylvania, 1881. He was Health Officer of Allentown for three years, a school director for a like period and has been surgeon for the American Steel and Wire Company for fifteen years. His son, H. M. Dickenshied, is the Assistant Superintendent of the Lehigh Portland Cement Company at Mason City, Iowa. Lieutenant Dickenshied is a prominent Mason, member of the Elks Livingston Club of Allentown. His grandfather, C. F. Dickenshied, served during the war of 1812 as Assistant Surgeon's Mate, which is the relative rank of First Lieutenant and Assistant Surgeon.

tacking the enemy's infantry, attempting to hold down his fire so that our own infantry may advance. But these infantry batteries are being fired at by the enemy's batteries, and therefore we designate certain other batteries of ours to fire on the enemy's artillery. The batteries thus employed are called 'counter batteries,' and it is under their protection that our own infantry batteries operate. Again, certain other batteries of ours are held in reserve, but they are not a reserve in a sense that they are away back at the rear waiting for orders. On the contrary, they will be near the front, some of them even being unlimbered and in their firing position. Such batteries are said to be in observation.' They are observing the battlefield to determine the point where their fire is most needed. Other batteries are held limbered up and ready to move to any place needed. These are called batteries 'in waiting.' Batteries in waiting and those in observation form a set of reserve, but it has been wittily said by a Frenchman that 'it is not the batteries but their fire that is being held in reserve.'

"There are a number of other classifications of batteries, such as accompanying and supporting, re-enforcing batteries, batteries of the counter-attack, breeching batteries, etc., all depending upon the work that the particular battery is doing at any particular time, and with the enumeration of which I will not tire you.

"All this looks like lots of artillery, doesn't it? And it is. In all foreign armies the field artillery has increased during the last quarter of a century by tremendously greater proportions than has any other arm. To illustrate: Since 1870 armies have increased abroad as follows:

	Infantry per cent.	Cavalry per cent.	Field Artillery per. cent.
France	33	22	112
Germany	34	9	117
Japan	207		303
Austria	55	43	92
Russia	87		219
England	15	36	140

"These countries all have in their standing armies from 1,000 to 5,000 guns. The United States has 144. The decrease in cavalry in England I might say is owing to the foreign service, the large number of cavalry sent to India and to other places.

"It looks on the face of it as though the whole world except the United States had gone artillery mad. But is it safe to assume that we are the only sound people on military questions? I think that an examination of our whole history will show that we are anything but a safe guide in matters military; we are exactly the reverse. In the past we have gone ahead without any definite policy, merely meeting emergencies as they arose. Thus, our cavalry and infantry were needed for Indian wars, so we developed those arms. The Indian troubles having ceased, we lost interest in the cavalry, with the result that it was an obsolete organization. Later we needed infantry for foreign service, so we organized what seemed to be sufficient, forgetting all about the demands for national defense on the American continent proper, until we are now very deficient in this arm. For years and years our artillery was neglected, then we suddenly woke up and began to fortify our coasts. There followed, of course, an increase in the number of artillerymen to care for the guns, mortars, searchlights, etc., that were installed. Now we are just beginning to realize our friend artillery deficiency.

"In the Organized Militia the first development of troops naturally took place in the infantry. This development has now continued until, while we have not a single regiment too much, what we have could not be used to advantage in a campaign because of a lack of auxiliary troops. Of these auxiliry troops, the most necessary to the infantry is the field artillery. I tell you frankly that were all this infantry called into the field against a properly organized army, such as European troops compose, the infantry of the Organized Militia would be perilously near being defeated before it even started the campaign. This is no reflection on the individuals composing it, but is almost the inevitable result of such a lack of auxiliary troops as would render the infantry effective. The infantry, unprovided with artillery, can not advance on the modern battlefield against infantry supported by its artillery; and the sole method of winning battles is in the advance of the infantry.

"Just what the present gun will do on the battlefield is an unknown quantity. It has never been tried. The true rapid-fire gun which all nations now have, was not used in the Russo-Jap war, so we have nothing but theory to guide us as to what to expect in the future. You know it is said that the danger space of a small-arm in battle extends from the muzzle to the extreme range, due to the excitement and mental and nervous strain on the man behind the gun. In other words, he does not aim, but simply fires at random. This may or may not be actually true, but it is a fact that there is very little accurate shooting. The proof of this is seen in the number of bullets that it takes to wound a man. As a matter of fact, shots aimed at any particular target are scattering in their effect and cover an area of ground. The artillery recognizes this fact, and its whole use is to now shrapnel balls over a limited area. The gun has great precision, but, except in the few cases of breeching, the whole idea is to use the gun so as to cover a restricted area with such a storm of bullets as will stop any movement of the enemy. When our infantry is advancing, our artillery will thus try to hold down the fire of the enemy, thus assisting our advance. Comparison is sometimes made between the number of wounded by artillery fire and the number wounded by small arms. Such comparisons are not entirely just, and they lose sight of one of the most important functions of the artillery, viz., its power to hold down the enemy's fire, so keep him hugging the ground, to keep him in his trenches, so that our infantry may move forward. This is in effect a sort of negative loss to the enemy; that is, while the artillery is inflicting no great loss on the enemy it is saving great loss on our side. To render effective aid there must be the closest co-operation between the infantry and the field artillery. Each must have confidence in the other; must know something about the principles of combat of the other; and, above all, the infantry must keep the artillery informed as to all needs, in order that the artillery may act intelligently.

"Foreign drill regulations of either infantry or field artillery contain copious references to the other arm and lay stress upon the mutual co-operation of the two. Our new infantry drill regulations, which have just appeared, make some mention of artillery fire, and in the same way our field artillery drill regulations, now in the hands of the printer, refer to infantry. This shows that we are coming together, and that we are making a start toward that co-operation which we must ultimately establish and maintain.

"But these two arms can not co-operate if one of the two does not exist. And that is pretty much the case at the present time. I refer to the shortage of field artillery in both the Regular Army and the Organized Militia, and to the unsatisfactory character of the field

artillery in the Organized Militia. If you gentlemen of the infantry ever expect to take the field as a component part of a large force actually engaged in hostilities, you are much more interested in the field artillery than it is interested in itself, for you are the ones who are going to sustain the losses. There has unfortunately been exhibited toward this arm in some of the States a sort of hostility, a feeling that it costs too much for the State to maintain, and that it is properly a Federal arm; that the State government has no use for it; and that, consequently, it should not be encouraged. This is a narrow view, and one that will some day be regretted. It is the old view that militia is a State force and not a Federal force in any sense. If the militia believes that it is only for State police purposes, strikes, riots, etc., then possibly it is not in need of field artillery. But the very fact that the Organized Militia has changed its name to National Guard indicates that it is more than a State force; that it is national. Here in Pennsylvania you have your constabulary for State work. In the Federal militia law, known as the Dick Law, the provisions of which you have all accepted, the Organized Militia has clearly indicated that it is more than a State force. It is to become a part of the first line with the Regular Army, and the law provides that the War Department can not call for volunteers until it has taken the Organized Militia into the Federal service. All

PENNSYLVANIA NAVAL FORCE ON BOARD U. S. S. KANSAS DURING SUMMER TOUR OF DUTY.

these considerations, therefore, point to the fact that the Organized Militia should be so organized as to be effective for Federal purposes. But it is not at present and can not be effective as long as it is such a one-sided force, with infantry unsupported by auxiliary troops. If you will pardon me for speaking very personally, you should have in this great State of Pennsylvania five or six times the field artillery you have now. You are more deficient in this than is any other State in the Union maintaining a large force of militia.

"The question arises here, why is so much artillery necessary in order to give support to the militia? Let me first state that an army or a division is somewhat like a mechanic's tool-chest. There is a tool for doing each particular kind of work. You would not think much of a builder who provided his carpenters with an excessive number of hatchets and an entirely inadequate number of saws. It is true that carpenters can cut boards, joists, etc., with hatchets or saws; but, just the same, you would have your own opinion as to the intelligence and wisdom of such a builder. Yet the Organized Militia, provided with such a relatively excessive amount of infantry and such a deficiency of auxiliary troops, is exactly in the unenviable position of this builder. For any mechanical work there is a tool especially adapted to accomplish the results desired. It is the same way with weapons. The 3-inch gun, firing a 15-pound projectile, is the one supplied to most of the field artillery. It is the one that directly supports of infantry. But our Ordnance Department, followed the practice abroad, has designed other and heavier guns. Thus we have the 3.8-inch howitzer, which is a shorter gun, capable of firing high in the air so as to drop its projectile nearly vertically. It throws a 30-pound projectile, and is especially intended to attack the enemy's light guns and also to reach the troops that are too well sheltered for the 3-inch gun to reach. Next comes the 4.7-inch caliber, of which there is both a gun and a howitzer, each firing a 60-pound projectile. This gun has a long range, and takes up the work where the light or 3-inch gun leaves off, that is, at targets beyond the reach of the light or 3-inch gun. The 4.7-inch howitzer supplements the light or 3.8-inch howitzer and is the smallest howitzer that has a satisfactory shell effect. It will be used in rendering untenable redoubts and field work constructed by the enemy. In this connection it must be borne in mind that such works will be built at the key points or important points along the line, say from one-half to two miles apart, that they will be built by the troops themselves, and that the strength of such works that can be thrown up in a very short time, a day or more, is wonderful. We must have a weapon that will destroy these, or at least render them untenable. This the 4.7 howitzer will do. The next caliber is the 6-inch howitzer, which fires a 120-pound projectile. This is more than a match for any field works that troops can construct. It is a match for the strong field redoubts that could be constructed with railroad facilities to bring in materials, though not, of course, for fortified lines constructed months in advance and of a permanent or semi-permanent character. This 6-inch howitzer is the heaviest piece of mobile artillery that we have.

"Now, the Ordnance Department has actually manufactured some of all of these guns and howitzers, and is manufacturing more. We have recently equipped one battery at Fort Sill with the 4.7-inch gun, and shall probably issue some of the other calibers in the near future. This we must do in order to thoroughly test them, work out their drill regulations, etc. We are thus converting one of our light regiments into a heavy regiment. Due to the great shortage of field artillery in the Regular Army, we were reluctant to thus lose a light regiment, but, as you can see, we must at least get the drill regulations written for the various calibers, and prior to a war we must determine just what can be done with these weapons, what their nobility is, what their service weaknesses are, etc. Our system of field artillery, therefore will include the following:

"3-inch mountain gun, firing a 15-pound projectile, equipment packed on mules.

3-inch light gun, firing a 15-pound projectile, equipment drawn by six horses to a carriage.

"3-inch horse-artillery gun, firing a 15-pound projectile, equipment drawn by 6 horses to a carriage.

"3.8-inch howitzer, firing a 30-pound projectile, equipment drawn by six horses to a carriage.

"4.7-inch gun, firing a 60-pound projectile, equipment drawn by six to eight horses to a carriage.

"4.7-inch howitzer, firing a 60-pound projectile, equipment drawn by six to eight horses to a carriage.

6-inch howitzer, firing a 120-pound projectile, equipment drawn by eight horses to a carriage.

"These guns and howitzers are all of the same general type as the present 3-inch gun, of which we now have forty-nine batteries in the hands of the Organized Militia. All of the gun and howitzer carriages are constructed on the same principles, the sighting and aiming appliances are the same, no platforms or anchorages are necessary, the weight behind the teams varies from 650 pounds per horse in the lighest caliber to 1000 in the heaviest, and all of these weapons are therefore truly field artillery in their nature.

"All of these guns that I have enumerated, except the 3-inch mountain gun and the 3-inch horse gun, will eventually be supplied to the Organized Militia, for the Regular artillery will never be large enough to handle all of this ordnance, even if desired to do so. It would require more regiments of field artillery than we now have of infantry, cavalry and field artillery combined. Hence, the Organized Militia must look forward to the time when it also will be equipped with its share of these different types of batteries.

"Now, there is another point I want to invite your attention to, and that is the question of ammunition. You know the old saying that 'guns without ammunition are only a burden to their friends preparatory to becoming a trophy for the enemy.' Even in the days of the old slow-fire gun, all great nations except the United States provided ammunition columns properly organized, harnessed, officered, and manned. These columns supplied small-arms ammunition and field artillery ammunition. With the advent of the present rapid-fire gun the question of assuring an available supply of field artillery ammunition has assumed tremendous importance. In our service a battery on a war footing is provided with three caissons per gun, but even so, this large supply of ammunition can be fired away by a reckless captain in less than three-quarters of an hour. It is of course not contemplated that it shall be wasted in any such reckless fashion, but the possibility of doing so shows the necessity for some organized system of supply between the advanced base and the firing line. The War Department has worked out a very complete organization of ammunition battalions, but we have at present neither caissons, horses, harness, personnel, nor anything else with which to organize these units. They will have to be provided for in the next artillery organization, it is thought. In the meantime, however, we had better make some ammunition or there will be none to carry when we do organize these trains. We have accumulated about 750,000 modern small arms, and about 180,000,000 rounds of ammunition for them, but at the present rate of progress in field artillery it will take fifty years to manufacture the guns needed for a force of about three-quarters the number we now have small arms for, and a century to accumulate the ammunition. This is rather a gloomy picture I have painted, but you gentlemen should know the truth. By joining the Organized Militia under the present laws you have stated that you will go to the front with the first line of troops in case of necessity, and you should certainly know how well or how poorly you will be supported.

"A WINTER CRUISE ON BOARD THE U. S. SYLVIA."

The above illustration shows the Second Troop, Philadelphia City Cavalry, passing in review during the manoeuvers at Mt. Gretna, last year. This splendid organization of cavalry, commanded by Captain Charles Welsh Edmunds, is one of the best in the organized militia of the United States, and has been much complimented by Army officers for its excellent work in the field and upon the rifle range. It is now but a matter of time before the Troop will be homeless, as the present quarters at Briggs' stable, Twenty-third street above Chestnut, are to be torn to make way for modern improvements. The Troop is in consequence troubled with the problem of securing proper accommodations. It is to be hoped that the organization will be able to find quarters suitable to the needs of a first-class Troop.

"Field artillery for the Organized Militia is manufactured from a special appropriation made by Congress exclusively for the purpose. In the past this appropriation has been about $500,000 a year, and from the total amount appropriated fifty batteries have been manufactured. We now have only one of them on hand, and it will shortly be issued, as there are several requisitions pending. A battery of 3-inch guns, as issued to the Organized Militia, costs about $90,000 and is issued without any charge against the State's allotment. The larger and heavier batteries that will be available for issue to you later cost more than this to manufacture, but they also will be issued without charge to the State.

"It has been my aim in this paper to merely tell you these facts, and to ask your earnest co-operation in remedying the existing conditions while there is yet time. And while I am, as a field artillery officer, of course, deeply interested in procuring an adequate supply of guns and ammunition, an adequate number of organizations to handle (last year it was $770,000) the equipment when made, and a high state of training of the personnel, yet the infantry is even more interested in this whole question than is the field artillery itself.

"Gentlemen, I thank you for your attention."

Recent bulletins issued by the Division of Militia Affairs, War Department, present the following items of interest to the Guard:

"After nature consideration, the Secretary of War has decided that it will be impracticable for the Army to take any part in the national matches this year, either by sending teams, or by furnishing markers, scorers, etc. The demands upon the military establishment will prove so great during the coming years as to make this course necessary. Station changes are taking place between the troops in this country and the Philippines, troops are required at the several manoeuver camps and a large force is needed for duty along the Mexican border.

"Efforts have been made to induce the authorities of certain States to conduct the matches this summer and furnish the necessary funds and details of troops therefor. The States have been unable to accomplish this, however, for the reason that they have no appropriations available for such purpose. Consequently, it is with much regret that the abandonment of the national matches for the present year is announced.

Infantry equipment, model of 1910, has been supplied by the Ordnance Department to only one regiment of infantry in the Regular service, and it will be some time before all the Regular Infantry is furnished with this equipment. The date on which this equipment will be available for issue to the Organized Militia cannot be stated at present, although it is probable that some time will elapse before the 1910 equipment can be supplied to them.

"The following information is furnished with reference to the granting of leaves of absence to employes of the United States Reclamation Service, who are members of the Organized Militia:

"The Secretary of the Interior has informed the Secretary of War that the matter of the refusal of an engineer in the Reclamation Service to allow his employes to attend a State encampment has been taken up with the Director of the Service, and an understanding has been reached to the effect that, unless it is impossible to replace the men ordered to the Militia encampments, they should be permitted to attend.

"The State of Massachusetts will hold a marching competition for teams consisting of one officer and 16 enlisted men from organizations of the Massachusetts Volunteer Militia. The distance covered will be approximately 20 miles, and points will be scored on (a) appearance; (b) attendance; (c) time; (d) duration; while suitable penalties are provided for violation of the rules of the contest. The service uniform will be worn, and the contestants will be equipped for the field with the exception of the blanket roll. Complete information is given in General Orders, No. 5, Commonwealth of Massachusetts, current series.

MILITARY TRANSPORT

Water and Rail.

By Colonel Chauncey M. Baker, U. S. A.

The state of the supplies of the army, its equipment, disposition of the sick, its recruitment, and, in general, all the facilities that provide for the mobility of the army, are concerned immediately with transportation.

In considering the subject of Transportation for an Army and its supplies, the primary object is to place the army as near as possible to the position in which it will be required by the Commanding General, with a suitable amount of expedition, the least amount of confusion—all with a reasonable regard to cost, unless the exigencies are such that cost may be disregarded, and always with a certainty of execution on which the commander of the force may rely.

In estimating the value of the various forms of transport, the best means of comparison for effectiveness would be by what we will term the "radius." By that is meant the distance to which any single complete means of transportation, or unit of transport, can proceed without retracing its steps, always carrying with it the total amount of supplies required for its own support.

Figuring on this basis, the most effective unit would be the sailing vessel, inasmuch as the propelling power—the air—requires no carrying space within the unit itself. The sole requirements would be for food and water for the crew. After that would come the steamship, which requires, in addition to the above, that a supply of coal be carried, and either a supply of fresh water or the means of making it. Then would come the railroad train, assuming that such a train will carry coal and water, or, as is normally the case nowadays, would carry coal alone, finding its supply of water en route; to obtain correct data for comparison, however, maintenance and operation supplies should be included in the calculation. Then would come animal transportation; of which, perhaps the unit that could progress furthest without regard to the character of the roads would be the human carrier.

If a Chinaman, for instance, were to start with a load of 80 pounds he would be able to go for 40 days before reaching the end of the "radius" of his operation; at an average of 15 miles per day—assuming that two pounds of food daily would be sufficient ration—he will have traveled 600 miles. A 6-mule team would go for a

PARADE HELD AT PHILADELPHIA ON THE FIFTIETH ANNIVERSARY OF THE BATTLE OF THE MONITOR AND THE MERRIMAC.

"The interest and energy manifested by a number of States in the increase and re-organization of their sanitary troops is a matter of encouragement and gratification to the War Department. The records of the Division of Militia Affairs, January 1, 1910, show that there were in the Organized Militia of the United States but two Field Hospitals and one Ambulance Company Section. Since then, there have been organized sufficient of these units to bring the total up to eighteen Field Hospitals and thirteen Ambulance Companies. Additional Field Hospitals and Ambulance Companies are contemplated by several States.

"In addition to these sanitary units, there are 120 detachments of the Hospital Corps. The sanitary troops of the Organized Militia approximately number 800 medical officers and 2600 enlisted men.

"While this encouraging progress applies to the majority of the States there are a few whose provision for sanitary service is very inefficient, some States having no enlisted sanitary personel at all.

"Adjutants General of States having field artillery will shortly be notified as to the names of the officers selected to attend the School of Fire at Fort Sill, Oklahoma. All officers of field artillery not attending this school will be authorized to attend the Fort Riley Field Artillery camp of instruction."

period of 28 days; and at an average rate of 20 miles a day will have traveled 560 miles. A 4-mule team would go for 32 days, and at an average rate of 20 miles per day, would reach its limit in 640 miles. The Japanese pony-cart, with attendants, would go for 30 days, and at 15 miles per day would proceed 450 miles. The pack-mule unit, with attendants, would go 15 days, and, at 20 miles a day, would would reach a distance of 300 miles. Results for mechanical land transportation—as traction engines and automobile trucks, have not been sufficiently extensive to permit of arriving at even approximate results. Without doubt, however, they would lie somewhere between the railroad and animal transport, and, without question, they will be made use of to fill the gap between rail-head and the advance supply depots.

In considering transportation by water, over sea, the sailing vessel will be discarded on account of the uncertainty as to time consumed in making a voyage. The steamship, will, without question, be the vessel employed for over sea transportation. When it becomes a matter of selecting steamships for such service, it will be impossible for those on whom the burden falls of transporting an American army to make any selection, as it will be necessary to make use of practically all American bottoms afloat in order to transport an army of any considerable size. It may be possible to purchase vessels on the eve of the outbreak of hostilities from other nations, but that, of course, will always be problematical. If selection can be made, however, it is believed that vessels ranging from 6,000 to 12,000 tons would be the most desirable for carrying troops, animals and cargo over sea. Such vessels would be large enough to carry complete units of organizations together with their baggage, field equipment, etc.

For the main link in over-sea communication, the service will have to rely primarily on such transports as we shall possess at the opening of hostilities and such as we shall be able to acquire from commercial sources either by purchase or by charter.

The Army Transport Service, which was called into existence by the necessities of the Spanish-American war, furnishes us with a nucleus which will be most valuable if it ever becomes necessary to expand it to meet the requirements of an extensive campaign on foreign shores. It is assimilated in its methods of administration to those of commercial steamship lines, as far as practicable—only such modifications being made as are necessary to adapt it to military requirements. Such assimilation, without doubt, will be of the greatest advantage whenever it shall be necessary to bring in to the military service commercial vessels as well as commercial crews.

The regulations of our Transport Service make provision for regulating the duties of each of the officials of the Transport Service as well as of the duties of all of the ship's officers, the conduct of troops on shipboard, in such a manner that there can be no conflict of authority, no interference of duties, and no divided responsibility.

These regulations provide, also, for the navigation of the ship, disposition of troops, duties of officers, regulations governing passengers of every kind, baggage, freight and animals; and provide for all the many details of service and duty to be performed at sea.

It is essential that commanding officers, before embarking, familiarize themselves with such regulations that they understand the necessity of meeting the requirements of the staff officers under whose supervision movements are made.

The matter of loading the freight, baggage, ammunition, as well as the embarkation of the troops, are all subjects that should receive detailed attention in advance. In embarking and disembarking at strange landings, all possible information should be gained in advance and the plan of the embarkation and disembarkation should be known to the commanding officer of troops. When a ship is unable to come to the wharf, landing will necessarily be made by lighter, barges and small boats. The details of unloading will, under such circumstances, be similar to those when the unloading takes place at a wharf, except that the fatigue details will necessarily remain on board.

Great care should be taken to avoid overcrowding small boats and lighters, and the commanding officer will observe in this respect the advice of the officer in immediate charge of the discharge of the ship. When there is no wharf, each ship's boat will be manned by men of the crew to row and beach the boat, after its release by the launch.

When acting under convey of the navy the field regulations provide for such assistance as is to be rendered by naval crews. When the command consists of a force carried on several transports, the disembarkation should be under the supervision of the officer. It is believed that the best results will follow if he is made an assistant, for the time being, to the chief quartermaster or to the quartermaster in charge of the wharf, or such officer as shall have the general supervision of this work.

If no other detail is made by superior authority, the quartermaster in charge of the wharf will assume charge of the disembarkation. He should be assisted by such officers as may be necessary and the details of the plan of disembarkation will be communicated by him to the several transports as early as practicable; each being assigned a strip of the beach or being notified of its turn to come to the wharf. The officer superintending the disembarkation, if not done at a wharf or landing place, will have temporary headquarters on the beach, which should be suitably and conspicuously marked, and he should have at his disposal the means of communicating with the transports and with the various landing places. He should have ample assistance in order that his orders may be promptly and intelligently communicated and that proper records of the program of the disembarkation may be kept and communicated to the Commanding General. It is essential, in this as well as in all other matters concerning the movement of troops, that quiet and orderly methods prevail in order to procure the best results.

If the troops are the first to land on a hostile shore, it will be necessary to effect the landing, as far as possible, by way of surprise and such landing will invariably be covered by a naval vessel, and, in most cases, be preceded or accompanied by the landing of a marine force. Once the landing place is decided upon, it is essential that the movement be carried forward with the utmost dispatch. It is not intended here to describe what shall be the strategic or tactical features in selecting such a landing place, but it is desirable that they be so selected as to afford a ready means of effecting a safe and expeditious landing with the means at hand, and, if circumstances permit, it should be so selected as to insure the early possession of a well-projected portion of the coast, and, if possible, a bay, or harbor, or sheltered roadstead.

Once the landing place is decided upon, and the landing is commenced, it becomes the first duty of the Commanding General to organize the administration of his base and lines of communication. In all probability, this will be provided for on paper before leaving friendly shores. In most foreign services, especially the British in which all campaigns are conducted on foreign shores, a carefully planned schome is provided for this service, which includes all the staff departments as well as all the arms of the combatant troops. With us, it is usually held in hand by the Commanding General, who not only commands the base and line of communications and the advancing army as well, but performs, oftentimes, these dual functions with the same staff. This, however, has been modified in the latest field regulations, which provide for a more normal administration of the base and communications.

It seems to be conceded that it will scarcely be possible for any country with a long line of seacoast to prevent the landing of a determined tnd enterprising enemy that holds the command of the sea. As to whether such a landing, once made, can be defended and developed into a base of operations, is a question that will be left to the debate of the battlefield, but it will be very unwisely undertaken unless the means for keeping up a flow of troops and supplies are such as must ultimately give to the invader the superiority.

Transports engaged in carrying an expeditionary force should be numbered, carrying the numbers in large figures on both sides of the ship—bow and stern. A special system of signals will be provided to enable the troops abroad any vessel to identify themselves. Our present field regulations provide that this shall be done through the instrumentality of the naval forces.

Troops which are to land ahead of supplies will, of course, be required to carry their haversacks with suitable rations, in order to provide themselves until the supplies can be unloaded from shipboard. In disembarkation, the men and animals naturally take precedence and, even if facilities are fully adequate, it is obvious that everything cannot be unloaded at once. In some services a special subsistence ship is sent out with an expeditionary force, which becomes a floating commissary depot, furnishing the subsistence supplies immediately required upon landing.

Our service has now had sufficient experience in transporting animals to have developed a system more or less independent of methods pursued by other nations.

There are on file in the office of the Quartermaster General, plans for fitting, in a temporary as well as in a permanent manner, ships that would carry men and animals. Attention to the details of such fitting is highly important and commanders of expeditions, which are to carry animals, should assure themselves that they have been followed. The neglect of some of these details have been known to result in great loss of animal life. It is never safe to count upon fair weather in transporting animals over-sea.

Whilst the means that were generally described and published a dozen years ago for caring for animals at sea, such as placing of bars fore and aft of each animal, providing swings under certain conditions; padding of stalls, etc., are found to be, in most cases, wholly undesirable. The elaborate fittings for watering of animals and feeding them that have been noticed on some of the vessels can well be dispensed with, especially with vessels fitted up in a temporary manner. The simplest method of watering animals is from buckets on the floor, if the number of attendance is adequate. The simplest method of feeding is from the floor.

In my own experience, it has been found that animals, if given

an opportunity to steady themselves without interference of bars and stanchions, and only sufficiently confined to keep them from wandering about over the deck, with thoroughly well cleated floors, both fore and aft and athwart ships, the animals are able to give the best possible account of themselves.

The Atlantic Transportation Company, which ships, perhaps, more animals than any other great steamship company, makes it a point to give the animal every reasonable degree of freedom about the deck, always making sure that the floor is provided with cleats, against which he can procure a good purchase no matter in what direction the vessel may pitch. I have seen most valuable race horses carried by these vessels left practically to care for themselves in the roughest weather.

Embarkation of Animals.

The process of embarkation should be carried on, as all other work in connection with animals, very quietly and without excitement. When it is possible to use ramps, they should be availed of, as the work can be proceeded with much more rapidly and quietly and without getting on the "nerves" of the animals. If ramps are impossible, then "flying" stalls or slings will be made use of, in which case the floor of the flying stall will be well covered with hay or sawdust to prevent injuring animals in case they are thrown to their knees.

If ramps are used, the animal should be started by putting the gentlest ones in the lead, when they should be kept going in a continuous stream, and upon reaching the deck should be lead to the most distant unoccupied stalls, or, on leaving the ship, to a temporary picket line.

The method of discharging animals into the stream or roadstead by rigging a plank through a port, leading the animal on to the plank until he overbalances and is plunged into the sea, is, in general, a better method, especially where there is a considerable swell, than to try to lower such animous into lighters, as the swell is likely to throw the animal, produce injury, and, in any case, must be a very slow operation. The animal under any circumstances should be instantly released as soon as its feet touch the lighter.

Care of Animals on Shipboard.

Particular attention should be given to the care of animals on shipboard, and the officer responsible should see that the caretakers do not neglect their work on account of sea-sickness, as they are almost certain to do. Proper attention to feeding, salting, watering, grooming, policing of stalls, and the care of sick animals, should be

Handling and Carriage of Freight.

even more carefully attended to than on shore

The baggage, equipment, stores, rations, animals, etc., in the hands of troops, should be handled by the troops under the supervision of their officers. All ropes, lines, slings, and gear are, however, manipulated by the ship's cerw or stevedores.

All other classes of freight, stores, supplies, and baggage are handled and accounted for in Transport Service much as the same is done in the merchant marine. The ship's manifest shows all freight, stores, supplies and baggage carried, except such as is retained in the hands of troops.

The commanding officer should carefully advise himself as to his own responsibilities in connection with the discharge of the vessel, and should have a clear understanding as to just how the work is to proceed. He should, however, be careful not to interrupt the operations, but rather to lend every assistance possible to the officer in charge of the unloading. Methods of stevedoring, checking and accounting are details that are provided for, as a rule, by the officer in charge of the debarkation.

Every effort should be made to properly protect stores as rapidly as landed.

The elementary principle involved in unloading and discharging freight and "impediments" from transports, and one to be constantly borne in mind, is the sequence in which it is necessary to land troops and stores on arrival at the point of disembarkation. If the transports are not to sail under convey, then those offering the best facilities for disembarkation and discharge of cargo should carry the troops and stores to be first landed.

The disembarkation is so dependent for successful results upon the proper embarkation, that it is essential that the former proceed upon rational lines and entirely with a view to facilitating and expediting the latter. It is impossible to lay down general rules that will fit special cases further than to say that the articles first required will go in last, and others in the reverse order in which they are required.

Upon the officer in charge of the disembrakation will devolve the following duties:

1. The supervision of all arrangements for transferring the troops, animals, provisions, stores and war material from the ship, and receiving them on shore.

2. The removal from the wharf of all stores, supplies and material not in the hands of troops, and providing storage therefor.

3. Providing for embarkation of sick and discharged men, return of surplus supplies and stores, and troops returning for any reason.

4. As a rule the same officer will have under his charge the provisions of the land transportation required to forward the stores thus received as the troops advance, whether by rail or overland.

Until comparatively recently, the transportation of stores for our army has been made more or less difficult on account of the great size of packages. This has been modified, and the maximum size of carriages is now prescribed by regulations. If any variation is to be permitted in the size of these packages, it should be reduced rather than be increased.

It is of first importance that the markings of packages of stores and supplies be made conspicuous, and should they become partly obliterated, they should be renewed.

Preliminary Knowledge.

Upon declaration of war, it is presupposed that naval action will anticipate the movements of troops by water, and before venturing to sea with large bodies of troops for an extended voyage, it will be necessary that the navy shall have gained control of the sea, and that it is in a position to protect transport fleets from hostile demonstrations of the enemy. Whilst, for short distances over sea, consecutive voyages may be relied upon, it is to be regarded as a principle only to be departed from under special circumstances, that the first outward expedition should be complete, both in number of troops and munitions of war, sufficient to establish and defend a base, if not to take a vigorous campaign against the enemy, otherwise, the landing of an insufficient force on the enemy's coast may subject it to be overwhelmed before reinforcements can arrive.

In contemplating the plan to be pursued in prosecuting a campaign across the seas, the army will be possessed of knowledge upon the following points:

1. As full a knowledge as possible of the theatre of operations including its topography, communications, and its facilities of transport.

2. An estimate of the strength and composition of the force it will be possible for the enemy to oppose to the disembarkation, or which he can place across prospective lines of advance.

3. The resources of the district whose invasion is contemplated, and all local information as to camp sites, climate, facilities for landing troops, buildings for storage and occupancy, defensive positions, material for construction, and so forth.

The navy should be able to furnish necessary information upon the following points:

1. The naval force necessary to project the convoy and whether the connection with the home ports can be maintained.

(To be Continued Next Issue)

THE LATE SERGEANT OSMAN W. BEVAN,

U. S. Engineer Corps and Company I, Third Regiment, N. G. P., Who Died at Key West, Fla., March 14, 1911—Sergeant Bevan Served His State and Nation With Distinction and Was Deeply Interested in National Guard Work.

OUR STATE
Army and Navy

A Journal for Our Volunteer Soldiers

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Advertising Rates

Furnished on application. The value of this Journal can be seen at a glance. If you have anything that Soldiers should be interested in, this is the proper place to display it.

Editorial Contributors

Major General C. BOW DOUGHERTY.
General WILLIS J. HULINGS, United States Volunteers.
Colonel C. T. O'NEILL, Fourth Infantry.
Commander JOSEPH M. MITCHESON, Naval Force of Penna.
Major WILLIAM P CLARKE, Inspectors Dept.
Major HERBERT A. ARNOLD, Medical Department.
Captain HENRY H. DOAN, Medical Corps

Colonel Coulter, Tenth Infantry, has taken an advanced step in requesting transfers of inefficient companies of his regiment to "live wire" communities where it is hoped that the real worth of a company of citizen soldiery will be appreciated. Some time ago, Colonel Coulter called upon some representative men in one town in Southwestern Pennsylvania and explained to them the deplorable condition of the local company. The inefficiency of this company was retarding the progress of the regiment generally. Colonel Coulter stated that he was determined to have his regiment up to the standard. It is reported that these gentlemen offered financial assistance. They were willing to erect an armory they said. The town financially is probably the wealthiest for its size in the State. Colonel Coulter, however, made it plain that he was not seeking financial assistance for an armory but that he wanted them to give him intelligent men for officers and to encourage the enlistment of a higher personnel. This, however, they explained they could not promise as they were too busily engaged in commercial affairs to give their time and attention to military matters. In consequence, the company stationed in the town went from bad to worse and was practically disbanded and the letter designation was subsequently changed to another town where already over one hundred names were enrolled upon the application for the mustering in of a new company. This new muster roll contained public-spirited and patriotic men representing the flower of a community, bank officials, attorneys-at-law, civil and mining engineers and generally men of standing. The result is that that section of the Tenth Regimental District now has a unit, that in case of emergency, can be depended upon for the preservation of law and order. The recent orde rto transfer Company M, of the Tenth Infantry, to Latrobe, is another indication of Colonel Coulter's determination to keep his regiment up to a high standard of efficiency. Latrobe has had a body of young men thoroughly imbued with the military spirit, knocking at the State door for admission for several years past. These changes should serve as a warning to other communities which are indifferent to the life and welfare of their military organizations, for it is safe to believe that the State authorities are closely observing the interest manifested by citizens in some of these towns, and unless remarkable improvement is shown through the spring inspections in a number of companies distributed throughout the division, drastic measures will be used.

Great preparations are being made at Norristown for the celebration of the anniversary of the centennial of the borough early in May. Military Day will be observed on Saturday, May 11, and a large number of visitors is expected. The committee in charge of the arrangements for Military Day consists of Colonel Joseph K. Weaver, Surgeon General, chairman; Major General John W. Schall, retired, N. G. P.; Brigadier General Thomas T. Stewart, Adjutant General, Chief of Staff; Comrade William J. Wells, Past Commander, Zook Post No. 11, Department Pennsylvania, G. A. R., and Captain William T. Earl, Company F, Sixth Infantry. The line of march will include: Mounted Detachment of State Police; Governor and Commander in Chief John K. Tener and his staff; Major General C. Bow Dougherty and members of the Division Staff; Pennsylvania Commandery of the Loyal Legion; Brigadier Generals Clement, Coryell, and Price, with their respective staffs; Sixth Regiment Band, augmented to a hundred pieces; Sixth Regiment Infantry, Colonel Gibbons Gray Cornwell commanding; Second Troop, Philadelphia City Cavalry, Captain Welsh Edmunds commanding; Battery C, Field Artillery, Captain Charles H. Cox commanding; Zook Post No. 11, Department Pennsylvania, G. A. R., preceded by a drum crops composed of veterans of the Civil War; representatives in uniform illustrating the periods of the Revolutionary War and of the War of 1812; Sons of Veterans; Veterans of the Spanish-American War; nurses of the Spanish-American War; Boy Scouts of Montgomery County, and Detachment of State Police. The committee is making excellent provision for the entertainment of the visiting troops, and all indications point to the affair being a great success.

The annual meeting of the State Rifle Association of Pennsylvania will be held in 1234 Filbert street, Philadelphia, on the evening of Tuesday, April 9, at 8 o'clock. It is expected that prominent Guardsmen from all parts of the State will be present.

Captain William T. Rees, commanding Battery B, Field Artillery, who was recently unanimously re-elected, is one of the best known artillery officers in the United States. Captain Rees has met with unusual success in the command of Battery B. He is an indefatigable worker, and has brought the Battery up to a very high degree of efficiency. Captain Rees had distinguished service with the Battery during the Spanish-American War, and is much attached to the Guard. It was largely through his personal efforts that progress has been made towards the proper housing of this splendid artillery organization.

NOTES

The parade of the First Brigade, before President Taft, at Philadelphia, in honor of the birthday anniversary of General U. S. Grant, on April 27, will give an excellent demonstration to the citizens of that city of the present efficiency of the organization commanded by

General William G. Price. In fact, the Journal is of the opinion that parades of this kind should be of more frequent occurence. They educate the public to the real status of the National Guard and do more than probably anything else to popularize the service with the masses of the people.

Prominent Guardsmen are hopeful that Lieutenant Colonel August P. Kunzig, recently of the Second Infantry, will soon see his way clear to return to the service. Colonel Kunzig is an officer of experience, and was identified with the Second Infantry for almost a quarter of a century. He was devoted to the Guard, and his re-commission into some branch of the service would be welcome. Influential friends have interested themselves in regard of Colonel Kunzig, and it is probable that he may be offered a departmental office in the near future.

The recent retirement of Major John C. Groome as commander of the First Squadron of Cavalry, has been received with great regret throughout the State. Major Groome was regarded as an ideal cavalry officer, a thorough disiplinarian of rare executive abilities, and one who could well organize, get results and command the respect of his subordinates. The cause of Major Groome's retirement is formally given as pressure of business. The National Guard has lost a valuable asset through the retirment of Major Groome.

Friends are hopeful that Colonel Samuel Moody, who retired after a distinguished career several years ago, owing to the pressure of professional duties, may be induced to reconsider his withdrawal and return to the service. Colonel Moody was one of the most valuable officers of the Guard. He combined a natural love of the service with the greatest executive abilities and his retirement marked a heavy blow to the Organized Militia. The many friends of the distinguished Pennsylvanian are hopeful that now after a lapse of several years, the way may be clear for his return, and the Journal would welcome his re-entry into the Guard as an unusually valuable acquisition for the service.

At a recent gathering of the officers of the Sixteenth Infantry, Colonel Rickards made it very plain to the officers that an efficient staff was just as essential to the best interest of the service as good company officers. He stated that any of his staff officers who were not ambitious and desired promotion were of no real benefit to the Sixteenth Regiment, whether they be company or staff officers. And he wanted them to be considered in future elections for field positions. It is stated that all of the officers agreed that Colonel Rickard's policy for the future was a progressive and advanced one and would prove of great benefit to the regiment.

The question of organizing a Battery of Field Artillery in Philadelphia has aroused much interest, particularly as to the social and civic phases of the organization. Keystone Battery A was organized during the Civil War, and participated in many engagements during that conflict. Colonel John Sailer, formerly an officer of the staff of Governor Stuart, served with this organization during the sixties. The Battery also saw active service during the Spanish-American War in Porto Rico under the command of Captain Barclay H. Warburton. After the '98 campaign the Battery was changed into the cavalry arm of the service and designated Troop A. The former members of Keystone Battery A, however, continued a civic organization and also retained their city charter, which according to the military laws of Pennsylvania, give them the right to exist as a unit in the militia, regardless of any change that might effect the organization of the National Guard of Pennsylvania. We are informed that the gentlemen constituting the original Keystone Battery have agreed to surrender their charter rights to the new Battery of fiield artillery, thus conferring on the baby organization a continuity of organization. Some of these gentlemen, however, claimed that Battery A ceased to exist when Troop A was organized. This promises a peculiar and complex question. Probably one way out of the difficulty would be to designate the proposed Philadelphia Battery, Battery D, but then on the other hand, it might be reasonable to suppose that these same gentlemen constituting Battery A might feel just as well disposed to transfer their charter rights to a new Battery A in any other part of the Commonwealth of Pennsylvania.

First Lieutenant and Battalion Adjutant George M. Hulme, who was recently detailed as Acting Adjutant of the Third Infantry to fill the vacancy caused by the promotion of Captain Whittaker to the First Brigade staff, is to be appointed Captain and Regimental Adjutant by Colonel Biddle. Lieutenant Hulme is an able officer and well equipped to fill the duties of Adjutant.

The anniversary parade of the First Regiment will take place as usual on April 19. Colonel William F. Eidell will be in command. The active regiment will be accompanied by its splendid Veteran Corps, which will be in command of Brigadier General Theodore E. Wiedersheim, who will appear mounted for the first time with his staff. The Veteran Crops will parade on this occasion in two battalion formation. Each of the organizations will be accompanied by their famous bands. After the parade, the usual banquet will take place at the Union League.

The corps of cadets of the John Wanamaker Commercial Institute have been signally honored by an invitation, extended by Henry Lierz, on behalf of the committee in charge, to act as escort to Prinz Joachim, son of Kaiser Wilhelm, during his visit to Philadelphia for the saengerfest next summer. Colonel Scott states that he will endeavor to have the New York battalion of cadets come to Philadelphia for the occasion and parade a full regiment.

February 28, which was the thirteenth anniversary of the mustering out of the Fourteenth Regiment in Spanish-American war service, was fittingly celebrated by a reception tendered by Colonel McKee, the new commanding officer, to the officers of the organization, as well as to others of the National Guard and ex-officers of the service. Two hundred and twenty-five couples enjoyed the festivities of the evening. The affair was held at the Rittenhouse, one of the fashionable places in the East End district of Pittsburgh. During the past month, the Regiment underwent inspection by Major Farnsworth, of the Army. The average attendance in the companies was three officers and forty-two enlisted men. The Colonel has designated Thursday evening for general school, which is attended by officers, non-commissioned officers and privates selected by the company commanders. The various commands are busily engaged preparing for inspections in the Regiment, which take place the latter part of May and during the time that State Conclave Knights Templar are holding their conclave.

An entertaining musicale was given by the Volkwein Concert Company, for the benefit of the Non-Commissioned Officers Association, Eighteenth Regiment (Duquesne Greys N. G. P., on Wednesday evejning, March 27, in the Armory, Thackeray and Bayard streets (Schenley Farms). Included in the program were Miss Helen Baschcopf, soprano; Mr. Hollis Davenny, baritone and violinist; Mr. M. B. Howard, saxaphone soloist; Prof. Mark Porritt, pianist; Prof. Henry W. Stevenson, humorist.

FROM GENERAL GOOD.

Captain Charles J. Hendler, Editor State Army and Navy, Betz Building, Philadelphia.

My Dear Captain:—

I see in the last publication of your paper that you mention that I will retire as Brigadier General, July next. I desire to say that you have been very much misinformed as I have not the least idea of retiring before the expiration of my commission, the 30th of December, 1915, and I know of no reason that will compel my retirement.

I will appreciate it if you will either publish a denial or a copy of this letter.

Yours truly,
GENERAL GOOD,
Brigadier General, N. G. P.

March 6, 1912.

National Guard Roster of Pennsylvania

GOVERNOR AND COMMANDER-IN-CHIEF,

JOHN K. TENER

Harrisburg, Pa.

STAFF OF COMMANDER-IN-CHIEF.

Brig. Gen., Thos. J. Stewart, The Adj. Gen., Chief of Staff, Harrisburg.
Brig. Gen., J. Lewis Good, (unassigned), 921 Spruce St., Philadelphia.
Col. Frank G. Sweeney, Insp. Gen., Chester.
Col. Edward Morrell, Judge Advocate Gen., Morris Building, Philadelphia.
Col. Harry C. Trexler, Q. M. Gen., Allentown.
Col. Horace L. Haldeman, Commissary Gen., Real Estate Trust Bldg., Phila.
Col. Jos. K. Weaver, Surg. Gen., Norristown.
Col. Frank K. Patterson, Gen. Inspector Small-Arms Practice, 1507 Machesney Bldg., Pittsburgh.
Col. Howard S. Williams, Chief of Ordnance, Phoenixville, Pa.

AIDES-DE-CAMP.

Lt. Col. James Elverson, Jr., 1109 Market Street, Philadelphia.
Lt. Col. Walter T. Bradley Ninth and Girard Avenue, Philadelphia.
Lt. Col. Fred Taylor Pusey, Bailey Building, Philadelphia.
Lt. Col. J. Warner Hutchins, 1328 Walnut Street, Philadelphia.
Lt. Col. John R. Wiggins, The Bartram, Philadelphia.
Lt. Col. Oliver S. Hershman, Pittsburgh.
Lt. Col. James W. Fuller, Jr., Catasauqua, Pa.
Lt. Col. Alexander Hopkins Anderson, 502 Frick Building, Pittsburgh.
Lt. Col. Andrew Berger, 411 Berger Bldg., Pittsburgh, Pa.
Lt. Col. Thomas Edward Murphy, N. American Bldg., Philadelphia.
Lt. Col. Samuel D. Lit, Eighth and Market Streets, Philadelphia.
Lt. Col. William H. Kaul, St. Marys, Pa

NON-COMMISSIONED STAFF.

Sergt. Maj. John C. Shumberger, Harrisburg.
Color Sergt. Leo A. Luttringer, State Arsenal, Harrisburg.
Chief Musician, Edgar M. Major, Harrisburg.
Q. M. Sergt. Wm. L. Hicks, State Arsenal, Harrisburg.
Commissary Sergt., Chas. A. Bair, Lancaster, Pa.

NAVAL FORCE

(U. S. S. Sylvia, Philadelphia Navy Yard, Pennsylvania. U. S. S. Wolverine, Erie Basin, Pennsylvania. Headquarters, 311-14 Parkway Building, Philadelphia, Pa.)

Commander, Joseph M. Mitcheson, N. F. P., commanding. Address, 801 Franklin Bank Building, Philadelphia, Pa.
Lieut-Commander, Thomas T. Nelson, Jr., N. F. P., Executive Officer. Address, 333 Walnut Street, Philadelphia, Pa.
Lieutenant (J. G.), Clinton E. Shaw, N. F. P., Aide and Engineer Officer.
Surgeon, Henry E. Wetherill, N. F. P.
Asst. Surgeon, John W. Wright, N. F. P.
Paymaster, (vacancy).
Lieut. (J. G.), Louis E. Fagan, N. F. P., commanding Division A, Philadelphia.
Lieut. (J. G.), Walter B. Drebelbis, N. F. P., commanding Division B, Philadelphia.
Lieut., Wm. L. Morrison, N. F. P., commanding Division C, Erie, Pa.
Address 338 West 6th Street, Erie, Penna.
Ensign, Neil R. Wilber, N. F. P., commanding Division D, Erie, Pa.
Lieut. (J. G.), John A. Bunn, N. F. P., Division B.
Ensign, Ralph F. Foreman, N. F. P., Division C.
Ensign, Landis E. Isaacs, N. F. P., Division C, Acting Asst. Engineer Officer.
Ensign, Edgar S. Chellis, N. F. P., Division D.
Ensign, H. C. McIlvaine, Jr. N. F. P., Division A.

CHIEF PETTY OFFICERS.

Chief Master-at-Arms, Richard Gerker.
Chief Machinist, Ralph K. Eddows.
Chief Machinist, Joseph Claffy.
Chief Yeoman, M. R. Richardson.

DIVISION STAFF

(Headquarters, Wilkes-Barre, Pa.)

Maj. Gen., C. B. Dougherty, Wilkes-Barre.
Adj. Gen., Lt. Col. Wm. Sharpe, Wilkes-Barre.
Judge Advocate, Lt. Col. Wm. J. Elliott, Union League, Philadelphia.
Inspector, Lt. Col. John P. Penney, 716 North Ave., West, North Side, Pittsburgh, Pa.
Surgeon-in-Chief, Lt. Col. Andrew S. Stayer, Altoona.
Commissary of Subsistence, Lt. Col Lewis A. Anshutz, Pittsburgh.
Ordnance Officer, Lt. Col. Samuel W. Jefferis, Pittsburgh.
Quartermaster, Lt. Col. Frank M. Vandling, Scranton.
I. S. A. P., Major Blain Aiken, Washington, Pa.
A. D. C., Major David J. Davis, Scranton, Pa.
A. D. C., Joseph K. Adams, South Bethlehem, Pa.
A. D. C., (vacancy).

NON-COMMISSIONED STAFF.

Sergt. Maj., Chas. G. Siegel, Wilkes-Barre.
Q. M. Sergt., H. K. Maeyer, 255 Boas Street, Harrisburg.
Commissary Sergt., Jere M. Leaman, Pittsburgh.
Ordnance Sergt., Philip German, Harrisburg.
Color Sergt., W. C. Arnold, Scranton.
Chief Musician, (vacancy).

AUXILIARY ORGANIZATIONS.
Assigned to Division Headquarters.

ENGINEER BATTALION.

(Scranton, Pa.)

COMPANY "A."

Capt., Abram B. Dunning, Mears Building.
1st Lt., Ray W. Fuller, 1530 Wyoming Avenue.
2d Lt., Irvin G. Morris, 725 Monroe Avenue.

COMPANY "B."

(Philadelphia, Pa.)

Capt., St. George H. Cooke, Witherspoon Building, Philadelphia.
1st Lt., William H. Ford, Arcade Building, Philadelphia.
2d Lt., J. Frank Barber, Land Title Building, Philadelphia.

SIGNAL CORPS.

Bailey Avenue, Head of Castle Shannon Incline, Pittsburgh, Pa.

COMPANY "A."

Capt., Fred. G. Miller, 816 Collins Ave., Pittsburgh
1st Lt., Thomas P. Rose, Mt. Lebanon, Pa.
1st Lt., (vacancy.)
Master Signal Electrician, George F. Cella, 7101 Mt. Vernon St., Pittsburgh.
1st Lt., and Asst. Surgeon, Laurence R. Knorr, 199 Steuben Street, Pittsburgh.
Medical Officer's address, 224 S. Main Street, West End, Pittsburgh, Pa.

BATTERY "B"

(State Armory, Emerson St. Near Alder St., Pittsburgh).

Capt. Wm. T. Rees, P. O. Box 48, Wilkinsburg Station, P. O.
1st Lt., Clinton T. Bundy, 3413 Butler Street.
1st Lt., John S. Purucker, 820 Penn Ave., Wilkinsburg, Pa.
2d Lt., Charles C. Williams, 24 Washington Ave.
2d Lt., Charles Craig Benton, 54 Grant Avenue, Etna, Pa.
1st Lt., and Asst. Surg., Harry B. Burns, 2037 Wylie Avenue.

NON-COMMISSIONED STAFF.

1st Sergt., Anthony J. Leffler, 255 Travella Boulevard
Q. M. Sergt., James A. Gormley, Armory.
Stable and Veterinary Sergt., Allen C. Long, Armory
Chief Mechanic, James W. Ryan, Armory.

BATTERY "C"

(Armory, Phœnixville, Pa.)

Capt., Charles H. Cox.
1st Lt., John S. Williams.
1st Lt., Fred. S. Swier.
1st Lt. and Surg., E. D. S. Mullison.
2d Lt., A. S. Janeway.
2d Lt., (vacancy).

NON-COMMISSIONED OFFICERS

1st Sergt., Edw. Longacker.
Q. M. Sergt., John D. Shewman.
Stable Sergt., George Austin.
Chief Mechanic, Wilmer Howell.

HEADQUARTERS FIRST SQUADRON CAVALRY

(1529 Walnut Street, Philadelphia).

Major, John P. Wood, 22nd and Spring Garden Streets, Philadelphia.
First Lieutenant and Adjutant, John G. Whitesides, 925 Chestnut Street, Philadelphia.
First Lieutenant and Surgeon, (vacancy).
Second. Lieut., Q. M. and Commy., (vacancy).
Sergeant Major, G. Bertram Regar, 1000 Chestnut Street, Philadelphia.

FIRST TROOP, PHILADELPHIA CITY CAVALRY.

(Armory, South Twenty-third and Ranstead Streets, Philadelphia.)

Capt., J. Franklin McFadden, 121 Chestnut Street, Philadelphia.
1st Lt. and Acting I. S. A. P., Wiliam E. Bates, 333 Walnut Street, Philadelphia.
2d Lt., George C. Thayer, Villa Nova, Pa.
Cornet, William Innes Forbes, 1336 Walnut Street, Philadelphia.

NON-COMMISSIONED OFFICERS.

1st Sergt., J. Conyngham Stevens, 114 S. 4th Street, Philadelphia.
Q. M. Sergt., Thomas Cadwalader, 706 Franklin Bldg., Philadelphia.

TROOP "G."

(Quarters, South Twenty-first and Ranstead Streets, Philadelphia).

Capt., Frank K. Hyatt, care Pennsylvania Military College, Chester, Pa.
1st Lt., Robert H. Byrnes, 425 Market Street, Phila.
2d Lt., E. Allen Dale, 4306 Frankford Ave., Phila.

NON-COMMISSIONED OFFICERS.

1st Sergt., Thomas B. Myers, Twenty-first and Ranstead Streets.
Q. M. Sergt, Harold B. Montgomery, Hotel Stenton, Philadelphia.

SECOND TROOP, PHILADELPHIA CITY CAVALRY

(Quarters, Northwest corner Twenty-third and Chestnut Streets, Philadelphia.)

Capt., Charles Welsh Edmunds, 520 Walnut Street, Philadelphia.
1st Lt. and Acting I. S. A. P., John William Good 921 Spruce Street, Philadelphia.
2d Lt., Thomas Wood Andrews, Box 134, Merion Station, Pa.

NON-COMMISSIONED OFFICERS.

1st Sergt., Edward Hitzeroth, 3120 Market Street, Philadelphia.
Q. M. Sergt., Harry Morse Coffin, 111 No. Front Street, Philadelphia.
Q. M. Sergt., Erskine Bains, 1028 Chestnut St.

TROOP "A."

(Quarters, South Twenty-first and Ranstead Streets, Philadelphia).

Capt., Arthur C. Colahan, 632 Chestnut St., Phila.
1st Lt. and Acting I. S. A. P., Edward Hoopes, Real Estate Trust Building, Philadelphia.
2d Lt., William P. Wattles, Bell Telephone Co., 11th and Filbert Streets, Philadelphia.

NON-COMMISSIONED OFFICERS.

1st Sergt., John B. Gribbel, 1513 Race Street, Philadelphia.
Q. M. Sergt., Caleb J. Milne 3rd, Eleventh Street and Washington Avenue, Philadelphia.

SECOND SQUADRON.

(Headquarters, 222 Market Street, Harrisburg).

Maj., Frederick M. Ott, Harrisburg.
1st Lt. and Adj., Chas. P. Meck, Harrisburg.
2d Lt. and Q. M., Edgar C. Hummel, Hummelstown
1st Lt., Asst. Surg., Allan W. Urmson, New Castle
Sergt. Maj., Joseph E. Bryan, New Castle.

TROOP "F"

(Quarters, New Castle, Pa.)

Capt., J. V. Cunningham.
1st Lt., F. H. Strohecker.
2d Lt., Archy M. Graham.

NON-COMMISSIONED OFFICERS.

1st Sergt., Chas. V. Kelley.
Q. M. Sergt., C. L. Horner.

TROOP "H."

(Armory, Coraopolis, Pa.)

Capt., Charles C. McGovern.
1st Lt., James J. Firestone.
2d Lt., William H. Dithrich.

SHERIDAN TROOP

(Armories, Tyrone and Warrior's Mark.)

Capt., James F. Moore, Tyrone.
1st Lt., Warren F. Conrad, Tyrone.
2d Lt., Milton D. Hoffman, Tyrone.

NON-COMMISSIONED OFFICERS.

1st Sergt. Edgar McKinney.
Q. M. Sergt., J. Van Taylor, Tyrone.

GOVERNOR'S TROOP

(Armory, Harrisburg, Pa.)

Capt., Geo. C. Jack.
1st Lt., Edwin A. Nicodemus.
2d Lt., George W. H. Roberts.

NON-COMMISSIONED OFFICERS.

1st Sergt., J. Grant Koons.
Q. M. Serg., Guy A. Dull.

SECOND BRIGADE

(Headquarters, Oil City, Pa.)

Brig. General, Willis J. Hulings, Oil City.
Major John M. Reed, Adjutant General, Oil City.
Major James E. McNary, Inspector, Connellsville.
Major Samuel G. Foster, Judge Advocate, Franklin.
Major William H. Corrin, Quartermaster, Oil City.
Major John H. Martin, Commissary, Greenville.
Major Henry P. Bope, Ordnance Office, Pittsburgh.
Major Charles C. Wiley, Surgeon, Pittsburgh.
Captain Ralph E. Flinn, A. D. C., Pittsburgh.
Captain Curtis G. Hussey, A. D. C., Pittsburgh.

NON-COMMISSIONED.

George W. Moore, Sergt. Major, Oil City.
Eugene E. Grimm, Post Q. M. Sergt., Franklin, Pa.
Alexander M. Orr, Post Commissary Sergt., Greenville.
Thos. C. Smith, Ordnance Sergt., Franklin.
Oliver W. Graham, Color Sergt., Pittsburgh.
J. Harry Louttit, Trumpeter, Monongahela, Pa.

EIGHTEENTH REGIMENT INFANTRY

(Armory, Cor. Craft Avenue and Forbes Street, Pittsburgh.)

Col., Albert J. Logan, 2839 Liberty Avenue, Pittsburgh,
Lt. Col., James H. Bigger, West Penna. Hospital.
Maj., Edw. L. Kearns, 611 Frick Building.
Maj., Bertram L. Succop, 1411 Carson St., South Side
Major Robert G. Woodside, 1108 Berger Building.
Capt. and Adj., C. B. Mehard, 1014 Frick Building.
Capt. and Commissary, Robert Pollock, 5620 Jackson St., E. E., Pittsburgh.
Capt. and Q. M., J. Clyde Miller, 318 Eighth Avenue, Homestead.
Captain and Inspector of Small Arms Practice, Edward B. Riddle, 920 Columbus Ave., N. S.
Capt. and Chaplain. Rev. Appleton Bash, Waynesburg, Pa.
1st Lt. and Batt. Adj., Harry A. Persell, No. 8 Brushton Avenue, Wilkinsburg, Pa.
1st Lt. and Batt. Adj., Samuel Davis Foster, Farmers' Bank Bldg., State Highway Dept.
1st Lt. and Batt. Adj., Alan G. Donnelly. Fifth Avenue and S. Negley Avenue.
Maj. and Surg., Benedict S. Ralston, 301 Neville Street, E. E., Pittsburgh.
Capt. and Asst. Surg., Edward M. Iland, Corapolis Pa.
Capt. and Asst. Surg., Frederick A. Hartung, 800 Keenan Building.
2d Lt. and Batt. Q. M. and Comsy., Frank C. Kunkel cor. Atwood and Forbes Streets.
2d Lt. and Batt. Q. M. and Comsy., Edward L. Cheyney, 2344 Oliver Building.
2d Lt. and Batt. Q. M. and Comsy., Harold E. Scarborough, 3809 Fifth Avenue.

NON-COMMISSIONED STAFF.

Regt. Sergt. Maj., Frank F. Barth, Armory, Bayard and Thackeray Streets.
Regt. Quartermaster Sergt., Frank L. Steele. Manchester Car Barns, North Side, Pittsburgh.
Regt. Commissary Sergt., W. S. Treser, care Armour & Co., North Side.
Regt. Color Sergt., Joseph Ruettger, 1260 Morningside Road, Pittsburgh.
Regt. Color Sergt., George A. Sheridan, 1915 Fifth Avenue.
Chief Musician, Peter Dannhardt, 8 La Place, Pittsburgh.
Batt. Sergt. Maj., (vacancy).
Batt. Sergt. Maj., Edward A. Nickel, 603 Collins Avenue, E. E., Pittsburgh.
Batt. Serg. Maj., Jerome B. Sanders, 63 Strauss St., N. S., Pittsburgh.
Sergt., H. R. Kimberling, Co. D, 3d U. S. Inf., Armory, Bayard and Thackeray Streets.

COMPANY "A."

Capt., Andrew B. Wallgren, University of Pittsburgh.
1st Lt., (vacancy).
2d Lt., John Barton, 6202 Bond St., E. E.

COMPANY "B."

Capt., Edward E. P. Sleppy, Jenkins Arcade Bldg.
1st Lt., Elmer K. Rupp, care Pittsburgh Press, Pittsburgh.
2d Lt., Roy E. Sleppy, 4111 Jenkins Arcade Bldg.

COMPANY "C."

Capt., Reynold M. Sleppy, 4111 Jenkins Arcade Building.
1st Lt., Mabon S. MacDonald, 1510 Chartiers, N. S., Pittsburgh, Pa.
2d Lt., Charles E. Gibson, 1410 Chartiers St., N. S.

COMPANY "D."

Capt., Palmer S. Chambers, No. 511 Frick Building, Pittsburgh.
1st Lt., Roger J. Seamon, 505 California Avenue, N. S., Pittsburgh.
2d Lt., (vacancy).

COMPANY "E."

Capt., John K. Clement, U. S. Geological Survey Testing Station, Fortieth and Butler Streets.
1st Lt., Hugh N. Pendleton, 604 16th St., McKeesport, Pa.
2d Lt., Joseph D. Imhoff, 6805 Penn Ave., E. E.

COMPANY "F."

Capt., John D. Meyer, 1465 Frick Annex.
1st Lt., John B. Rhoads, 7113 Kedron St., E. E.
2d Lt., John M. Clarke, 410 Todd St., Wilkinsburg, Pa.

COMPANY "G."

Capt. Oscar T. Taylor, 414 Park Building.
1st Lt., (vacancy).
2d Lt., Arthur W. Durr, 410 Todd St., Wilkinsburg, Pa.

COMPANY "H."

Capt., Christopher M. Anderson, 4512 5th Avenue.
1st Lt., Charles Johnston, 5806 Ellsworth Avenue, Pittsburgh.
2d Lt., James D. Callery, Jr., 4875 Ellsworth Avenue.

COMPANY "I."

Capt., Ewing L. Rafferty, 5559 Beeler St., Pittsburgh.
1st Lt., George L. Ayres, 7927 Riverview Avenue, Swissvale, Pa.
2d Lt., George Geis, 324 S. Mathilda Street, Pittsburgh, Pa.

COMPANY "K."

Capt., Elmer P. Kuhn, 1343 Point View Ave.
1st Lt., James L. Wehn, 1063 Frick Annex.
2d Lt., William W. Gill, 1006 South Avenue, Wilkinsburg.

COMPANY "L."

Capt., Marshall Henderson, 401 Columbia Bank Bldg., Pittsburgh.
1st Lt., James L. Weldon, 510 Pitts St., Wilkinsburg.
2d Lt., Leopold W. Depuy, 3333 Ward St., Pittsburgh, Pa.

COMPANY "M."

Capt., (vacancy).
1st Lt., (vacancy).
2d Lt., (vacancy).

TENTH REGIMENT INFANTRY

(Headquarters, Greensburg, Pa.)

Col., Richard Coulter, Jr., Greensburg.
Lt. Col., Thomas S. Crago, Waynesburg.
Maj., Harry W. Fee, Indiana.
Maj., Henry W. Coulter, Greensburg.
Major, Edward Martin, Waynesburg.
Capt. and Adj., Archibald W. Powell, Otto.
Capt. and Q. M., Henry Welty, Greensburg.
Capt. and Commissary, John D. Hitchman, Mt. Pleasant.
Capt. and I. S. A. P., Rowley M. Cook, Washington.
Capt. and Chaplain, Henry W. Temple, Washington.
1st Lt. and Batt. Adj., Wilbur R. Harris, New Brighton.
1st Lt. and Batt. Adj., E. L. Yohe, Monongahela, Pa.
1st Lt. and Batt. Adjt., Thomas B. Beaver, Bellefonte.
2d Lt. and Bat. Q. M. and Com., James Herman Watson, Indiana.
2d Lt., Gerard S. Bryce, Mt. Pleasant.
2d Lt. and Batt. Q. M. and Com., John Edgar Boyle, New Brighton.
Maj. and Surg., Louis P. McCormick, Connellsville.
1st Lt. and Asst. Surg., Robert S. McKee, New Haven.
1st Lt. and Asst. Surg., Fred. B. Shafer, Somerset.

NON-COMMISSIONED STAFF.

Reg. Sergt. Maj., G. Brooks Ross, Greensburg.
Reg. Q. M. Sergt., Edward P. Keefer, Somerset, Pa.
Reg. Com. Sergt., Robert W. Anderson, New Brighton.
Regt. Color Sergt., Ben R. McKennan. Washington.
Reg. Color Sergt., Alva M. Walters, Waltersburg.
Chief Musician, James W. Buttermore, Connellsville.
Batt. Sergt. Maj., (vacancy).
Batt. Sergt. Maj., George Beitsch, New Brighton.
Batt. Serg. Maj., Albert Otto King, Altoona.

COMPANY "A"—(Monongahela).

Capt., Edward W. Hartland.
1st Lt., James Edgar Gee.
2d Lt., Joseph L. McGregor.

COMPANY "B"—(New Brighton).

Capt., Joseph H. Thompson.
1st Lt., William Fish.
2d Lt., Bert Guy.

COMPANY "C"—(Somerset).

Capt., Samuel S. Crouse.
1st Lt., Bert F. Landis.
2d Lt., Josiah Swank.

COMPANY "D"—(Connellsville).

Capt., A. R. Kidd.
1st Lt., Joseph C. Herwick.
2d Lt., J. Donald Ried.

COMPANY "E"—(Mt. Pleasant).

Capt., J. Lloyd Kalp.
1st Lt. Frank R. Simpson.
2d Lt., (vacancy).

COMPANY "F."—(Indiana).

Capt., Charles C. McLain.
1st Lt., Wallace B. Agey.
2d Lt., Robert A. Henderson.

COMPANY "G."—(Hollidaysburg).

Capt., John A. Woleslagle.
1st Lt., William C. Weaver.
2d Lt., John R. Dunkel.

COMPANY "H"—(Washington).

Capt., John Aiken.
1st Lt., William B. Dinsmore.
2d Lt., Louis E. Sterritt.

COMPANY "I"—(Greensburg).

Capt., Wade T. Kline.
1st Lt., J. R. Wirsing.
2d Lt., Robert B. Herbert.

COMPANY "K"—(Waynesburg).

Capt., Walter C. Montgomery.
1st Lt., J. W. Wallace.
2d Lt., David M. Garrison.

COMPANY "L."—(Blairsville).

Capt., (vacancy).
1st Lt., Addison Forsha.
2d Lt., John W. Woodend.

COMPANY "M"—(Latrobe).

Capt., (vacancy).
1st Lt., (vacancy).
2d Lt., (vacancy).

SIXTEENTH REGIMENT INFANTRY

(Headquarters, Oil City, Pa.)

Col., Geo. C. Rickards, Oil City.
Lt. Col., Andrew D. Burns, Bradford.
Maj., R. Bruce Gamble, Meadville.
Maj., Clyde D. Wilcox, Corry.
Maj., C. B. Smathers, Grove City.
Capt. and Adjt., E. Lowry Humes, Meadville
Capt. and Quartermaster, Thomas R. Patton, Oil City.
Capt. and Commissary, William G. Hogan, Bradford.
Capt. and I. S. A. P., Courtney E. Hazleton, Bradford, Pa.
Capt. and Chaplain, Frank M. Silsley. Allegheny.
1st Lt. and Batt. Adjt., Howard K. Gibson, Greenville, Pa.
1st Lt. and Batt. Adjt., John C. Graham, Butler.
1st Lt. and Batt. Adjt., E. L. Rhone, Bradford.
2nd Lt. and Q. M. and Comsy., James C. Shaw, Oil City, Pa.
2nd Lt. and Q. M. and Comsy., Mortimer H. Mizener. Erie, Pa.
2nd Lt. and Q. M. and Comsy., Monroe A. Means, Kane, Pa.
Major and Surgeon, (vacancy).
Capt. and Asst. Surg., William M. Robertson, Warren.
1st Lt. and Asst. Surg., Charles H. Ashton, Franklin.

NON-COMMISSIONED STAFF.

Regt. Sergt. Maj., Charles H. Moore, Erie.
Regt. Q. M. Sergt., Harry L. Seth, Oil City.
Regt. Commissary Sergt., Lewis Newell, Bradford.
Regt. Color Sergt., Archie M. Stevason, Oil City.
Regt. Color Sergt., Harry Pierson, Ridgway.
Chief Musician, A. J. Bowser, Butler.
Batt. Sergt. Maj., F. L. Ruffing, Grove City.
Batt. Sergt. Maj., Jay North Bradford.
Batt. Sergt. Maj., Chas. H. Skelly, North East.

COMPANY "A"—(Corry).

Capt., Meade B. Webb.
1st Lt., Albert F. Carlburg.
2d Lt., Charles E. Keefer.

COMPANY "B"—(Meadville)

Capt., Charles V. Clyde.
1st Lt., Valentine Murray.
2d Lt., (vacancy).

COMPANY "C"—(Bradford)

Capt., Redmon H. Sloane.
1st Lt., John J. Costello.
2d Lt., Oscar B. Dunn.

COMPANY "D"—(Oil City).

Capt., Henry McGregor.
1st Lt., Earl D. Sirrine.
2d Lt., (vacancy).

COMPANY "E"—(Kane).

Capt., Thomas L. Kane.
1st Lt., Amos F. Cupp.
2d Lt., Arthur Nelson.

COMPANY "F"—(Franklin).

Capt., John C. O'Connor.
1st Lt., (vacancy).
2d Lt., Wm. Buscha.

COMPANY "G"—(Erie).

Capt., Henry N. Pudenze.
1st Lt., L. S. Phelps.
2d Lt., Floyd Hill.

COMPANY "H"—(Ridgway)
Capt., Lewis Benton Long.
1st Lt., John H. Park.
2d Lt., Philip Joseph Signor.

COMPANY "I"—(Warren)
Capt., C. E. Bordwell.
1st Lt., William Tribbie.
2d Lt., Erick S. Munson.

COMPANY "K"—(Kittanning)
Capt., Harry J. Walter.
1st Lt., Edward R. McNutt.
2d Lt., Joseph Geiger.

COMPANY "L"—(Butler)
Capt., (vacancy).
1st Lt., A. J. Thompson.
2d Lt., Roy F. Burtner.

COMPANY "M"—(Grove City).
Capt., Jas. A. Kennedy.
1st Lt., Charles Hamilton.
2d Lt., Fred. McCoy.

THIRD BRIGADE

(Headquarters, Sunbury, Pa.)

Brig. Gen., Chas. M. Clement, Sunbury.
Adj. Gen., Maj., (vacancy).

Inspector, Major A. G. Rutherford, Scranton.
Judge-Advocate, Major C. P. Gearhart, Danville.
Quartermaster, Major W. C. Sterling, Wilkes-Barre
Commissary, Major C. E. Foresman, Williamsport
Ordnance Officer, Major Carleton C. Jones, Wilkes-Barre.

Major and Surg., George H. Halberstadt, Pottsville.
Aide, Captain, M. W. Clement, Q. M. Dept., Broad Street Station, Philadelphia.

Aide, Captain S. W. Rhoads, Com. Dep't, Wilkes-Barre.

NON-COMMISSIONED STAFF.

Sergt. Maj., T. O. Van Alen, Northumberland, Pa.
Quartermaster Sergt., E. E. Jacoby, Sunbury.
Commissary Sergt., R. M. Auten, Sunbury, Pa.
Ordnance Sergt., John S. Reynolds, York, Pa.
Color Sergt., Ed. U. Davis, Sunbury, Pa.
Chief Musician, Treat A. Newman, Wilkes-Barre.

THIRTEENTH REGIMENT INFANTRY

(Headquarters, Scranton, Pa.)

Col., Frederick W. Stilwell, care First National Bank, Scranton, Pa.
Lt. Col., Ezra H. Ripple, Jr., 801-2 Mears Building, Scranton, Pa.
Maj., W. A. Raub, 425 Spruce Street, Scranton, Pa.
Maj., E. H. F. Conrad, 1625 Vine St., Scranton, Pa.
Maj., R. J. Bourke, care Traders' National Bank Building, Scranton, Pa.
Capt. and Adj., Robert M. Vail, 1207 Marion Street, Scranton, Pa.
Capt. and Quartermaster, Jas. K. Gearhart, Traders' Bank Building, Scranton, Pa.
Capt. and Commissary, Worthington Scranton, 309 Monroe Avenue, Scranton, Pa.
Capt. and I. S. A. P., Jos. S. Waite, care First National Bank, Scranton, Pa.
Capt. and Chaplain, Joseph H. Odell, 448 Monroe Avenue, Scranton, Pa.
1st Lt. and Batt. Adj., Charles A. Kiesel, 515 Lacka-Wanna Avenue, Scranton, Pa.
1st Lt. and Batt. Adj., George F. Owens, 420 Lacka-Wanna Avenue, Scranton, Pa.
1st Lt. and Batt. Adj., Herman J. Ernst., 545 Washington Avenue, Scranton, Pa.
2d Lt. and Q. M. and Comsy., Frank D. Koons, 1001 Ridge Row, Scranton, Pa.
2d Lt. and Q. M. and Comsy., Harry S. Sisk, Factoryville, Pa.
2d Lt. and Q. M. and Commissary, Charles E. Correll, 119 Dudley St., Dunmore, Pa.
Maj. and Surg., W. E. Keller, 435 Wyoming Ave., Scranton, Pa.
Capt. and Asst. Surg., Franklin F. Arndt, 437 Wyoming Avenue, Scranton, Pa.
1st Lt. and Asst. Surg., Joseph A. Wagner, 306 N. Washington Avenue, Scranton, Pa.

NON-COMMISSIONED STAFF.

Regt. Sergt. Maj., Philip M. Murphy, 635 N. Main Avenue, Scranton, Pa.
Regt. Quartermaster Sergt., Chas. A. Mannes, care of Title Guaranty & Surety Co., Scranton, Pa.
Regt. Commissary Sergt., Donald H. Keck, 1005 Quincy Avenue, Scranton, Pa.
Regt. Color Sergt., Sam K. Newton, 1306 Capouse Avenue, Scranton, Pa.
Regt. Color Sergt., James McGoldrick, 325 Prospect Avenue, Scranton, Pa.
Batt. Sergt. Maj., Kenneth Smith, 1013 Gibsoy St., Scranton, Pa.
Batt. Sergt. Maj., C. A. O'Boyle, 530 Vine Street, Scranton, Pa.
Batt. Sergt. Maj., Evan Hopkins, care Welles & Toney, Connell Bldg., Scranton, Pa.

COMPANY "A"—(Scranton).
Capt., Edward J. Wellner, 1029 Taylor Avenue, Scranton, Pa.
1st Lt., L. G. Van Nostrand, 725 Monroe Avenue, Scranton, Pa.
2d Lt., (vacancy).

COMPANY "B"—(Scranton).
Capt., Chester D. Smith, 608 Lee Court, Scranton, Pa.
1st Lt., LeRoy Bunnell, 601 Pine Street, Scranton, Pa.
2d Lt., A. H. Swingle, Scranton, Pa.

COMPANY "C"—(Scranton).
Capt. M. W. Murphy, 635 N. Main Ave., Scranton, Pa.
1st Lt., Edward J. Horan, 613 Connell Building, Scranton, Pa.
2d Lt., George W. Gschwindt, Dime Bank, Scranton, Pa.

COMPANY "D"—(Scranton)
Capt., Ralph A. Gregory, Third National Bank, Scranton, Pa.
1st Lt., E. P. Hulbert, 715 Olive St., Scranton, Pa.
2d Lt., H. E. Kimble, 925 Myrtle St., Scranton, Pa.

COMPANY "E"—(Honesdale).
Capt., Carroll J. Kelley, Honesdale, Pa.
1st Lt., Edw. F. Doney, Honesdale, Pa.
2d Lt., Edw. F. Gallagher, Honesdale, Pa.

COMPANY "F"—(Scranton)
Capt., Robert A. Hull, 1205 Marion St., Scranton, Pa.
1st Lt., Archer Morgan, Title Guaranty & Surety Co., Scranton, Pa.
2d Lt., L. F. Marsh, 1016 Columbia Avenue, Scranton, Pa.

COMPANY "G"—(Not Organized).
Capt.
1st Lt.
2d Lt.

COMPANY "H"—(Scranton)
Capt., Thos. Russell, Jr., 650 Harrison Avenue, Scranton, Pa.
1st Lt., Laurence H. Watres, Connell Bldg., Scranton, Pa.
2d Lt., Arlington W. Crossman, 20 Throop Street, Scranton, Pa.

COMPANY "I"—(Easton).
Capt., Frank M. Godley, Easton, Pa.
1st Lt., Charles Sumner Firth, Easton, Pa.
2d Lt., C. A. P. Bartlett, Easton, Pa.

COMPANY "K"—(Scranton)
Capt., H. J. Northup, 112 Linden Street, Scranton, Pa.
1st Lt., W. A. Ward, 108 Webster Avenue, Dunmore, Pa.
2d Lt., J. E. Ross, 1541 Capouse Ave., Scranton, Pa.

COMPANY "L"—(Scranton)
Capt., James F. Cooper, 1441 Bulwer Street, Scranton, Pa.
1st. Lt., Leon G. Brown, 820 Connell Building, Scranton, Pa.
2d Lt., Phillip H. Seamans, 731 Madison Avenue, Scranton, Pa.

COMPANY "M"—(Not Organized).
Capt.
1st Lt.
2d Lt.

NINTH REGIMENT INFANTRY

(Headquarters, Wilkes-Barre, Pa.)

Col., Dorrance Reynolds.
Lt. Col., James A. Dewey, Wilkes-Barre.
Maj., Olin F. Harvey, Jr., Wilkes-Barre.
Maj., George W. Cove, Wapamie
Major, William I. Ravert, Hazleton, Pa.
Major and Surgeon, W. Clive Smith, Wilkes-Barre.
Capt. and Adj., C. Roscoe Lee, Wilkes-Barre, Pa.
Capt. and Q. M., Wm. S. McLean, Jr., Wilkes-Barre
Capt. and I. S. A. P., Harry C. Dimon, Wilkes-Barre, Pa.
Capt. and Chaplain, James M. Farr, Wilkes-Barre, Pa.
Capt. and Commissary, R. B. Espy, Wilkes-Barre.
1st Lt. and Batt. Adj., J. Walter Wilde, Hazleton.
1st Lt. and Batt. Adj., Benjamin F. Evans, Wilkes-Barre.
1st Lt. and Batt. Adj., Frank M. Foy, Pittston, Pa.
1st Lt. and Asst. Surg., James W. Geist Wilkes-Barre
1st Lt. and Asst. Surg., Edward F. McGinty, Pittston, Pa

QUARTERMASTERS AND COMMISSARIES.

First Battalion, Geo. F. Buss, Pittston.
Second Battalion, Andrew C. Overpeck, Wilkes-Barre.
Third Battalion, Geo. H. Rheinhardt, Wilkes-Barre, Pa.

NON-COMMISSIONED STAFF.

Regt. Sergt. Maj., George F. Hand, Wilkes-Barre, Pa.
Regt. Q. M. Sergt., Jacob Silverstein, WilkesBarre,
Regt. Commissary Sergt., Thomas B. Young, Wilkes-Barre, Pa.
Color Sergt., George F. Vossler, Wilkes-Barre, Pa.
Regt. Color Sergt., Edward Emerson, Wilkes-Barre,
Chief Musician, Thompson H. Rowley, Wilkes-Barre
Batt. Sergt. Maj., Stephen Elliott, Wilkes-Barre.
Batt. Sergt. Maj., Cyrus H. Grett, Green Street, Nanticoke, Pa.
Batt. Sergt. Maj., (vacancy).

COMPANY "A"—(Wilkes-Barre).
Capt., Charles F. Boldt, Wilkes-Barre, Pa.
1st Lt., William S. Norton, Alden, Pa.
2d Lt., John T. Jeter, Jr., Dallas, Pa.

COMPANY "B"—(Wilkes-Barre)
Capt., Sterling E. W. Eyer, Wilkes-Barre.
1st Lt., Alex. A. Mitchell, Wilkes-Barre.
2d Lt., Alvah Melhuish, Wilkes-Barre, Pa.

COMPANY "C"—(Pittston).
Capt., Jacob A. Fleischer, Pittston.
1st Lt., Samuel J. Traher, Pittston.
2d Lt., William Snyder, Pittston.

COMPANY "D"—(Wilkes-Barre).
Capt., Wm. J. Weitzel, Wilkes-Barre.
1st Lt., Harry L. Templeton, Christopher, Pa.
2d Lt., Frederick S. Arnold.

COMPANY "E"—(Wilkes-Barre).
Capt., (vacancy).
1st Lt., Atherton Bowen, Forty Fort, Pa.
2d Lt., Geo. F. Monahan, Wilkes-Barre.

COMPANY "F"—(Wilkes-Barre).
Capt., Robert D. Raeder, Wilkes-Barre, Pa.
1st Lt., Robert S. Sleppy, Kingston, Pa.
2d Lt., John A. Reedy, Wilkes-Barre, Pa.

COMPANY "G"—(Hazleton)
Capt., Milton H. Brobst, Hazleton.
1st Lt., Charles R. Williams, Harwood Mines, Pa.
2d Lt., Geo. Zacher, Hazleton.

COMPANY "H"—(Pittston)
Capt., James F. O'Boyle, Pittston.
1st Lt., (vacancy).
2d Lt., Leo Tierney, Pittston, Pa.

COMPANY "I"—(Plymouth).
Capt., Geo. B. Kostenbauder, Plymouth.
1st Lt., David Percy, Plymouth.
2d Lt., Adnah Kostenbauder.

COMPANY "K"—(Wilkes-Barre).
Capt., Wm. Zierdt, Wilkes-Barre.
1st Lt., Gilbert G. Jacobosky, Wilkes-Barre, Pa.
2d Lt., Conrad P. Smith, Wilkes-Barre.

COMPANY "L"—(Nanticoke).
Capt., George T. Bache, Nanticoke.
1st Lt., Thomas J. Kniff, Nanticoke,
2d Lt., Robert F. Waters, Nanticoke.

COMPANY "M"—(Pittston, Pa.)
Capt., Stanley A. Repp, West Pittston, Pa.
1st Lt., Victor Luchsinger, West Pittston, Pa.
2d Lt., Ernest R. Winters, West Pittston, Pa.

TWELFTH REGIMENT INFANTRY

Headquarters, Lewisburg, Pa.

Col., William R. Follmer, Lewisburg.
Lt. Col., Wm. F. Barber, Lewisburg.
Maj., Benj. H. Updegraff, Williamsport.
Major, Wm. H. Straub, Milton.
Major, Wallace W. Fetzer, Sunbury, Pa.
Capt. and Adjt., Samuel B. Wolfe, Lewisburg, Pa.
Capt. and Q. M., Samuel E. Elliott, Sunbury, Pa.
Capt. and Commissary, William B. Reilly, Williamsport, Pa.
Capt. and I. S. A. P., George E. Deppen, Sunbury, Pa.
Capt. and Chaplain (vacancy).
1st Lt. and Batt. Adj., Walker W. Duffield, Newberry, Pa.
1st Lt. and Batt. Adjt., Robert Y. Gearhart, Danville, Pa.
1st Lt. and Batt. Adj., H. L. Curtin, Curtin, Pa.
2d Lt. and Batt. Q. M., Milton C. Ruble, Lewistown, Pa.
2d Lt. and Batt. Q. M., George L. Reeder, Williamsport, Pa.
2d Lt. and Batt. Q. M., Burtrand A. Putnam, Sunbury, Pa.
Maj. and Surg., F. E. Drumheller, Sunbury.
Capt. and Asst. Surg., R. F. Trainer, Williamsport
Capt. and Asst. Surg., Cameron Shultz, Danville.

NON-COMMISSIONED STAFF.

Regt. Sergt., Bruce McCracken, Sunbury, Pa.
Regt. Quartermaster Sergt., Desmond E. Neidig, Sunbury.
Regt. Commissary Sergt., Peter H. Lehman, Williamsport.

Regt. Color Sergt., Harry J. S. Weicksel, Lock Haven, Pa.
Regt. Color Sergt., Elmer E. Slopey, Lock Haven.
Chief Musician, Frank Baier, Williamsport.
Batt. Sergt. Maj (vacancy).
Batt. Sergt. Maj., G. Henry Sanders, Williamsport.
Batt. Sergt. Maj., Aaron K. Batdorf, Milton.

COMPANY "A"—(Lewisburg).
Capt., Thompson H. Morrow.
1st Lt., James A. Groff.
1st Lt., William R. Bechtel.

COMPANY "B"—(Williamsport).
Capt., James Clyde Brown.
1st Lt., Clyde R. Shelly.
2d Lt., Daniel Wilhelm.

COMPANY "C"—(Milton).
Capt., A. J. Hester.
1st Lt., Franklin D. Wolfe.
2d Lt., O. Dewire.

COMPANY "D"—(Williamsport).
Capt., George B. Konkle.
1st Lt., Jesse Fenstermacher.
2d Lt., Benjamin A. Harris.

COMPANY "E"—(Sunbury).
Capt., Wm. H. Nevin.
1st Lt., Charles F. Clement.
2d Lt., John A. S. Schoch.

COMPANY "F"—(Danville).
Capt., F. M. Herrington.
1st Lt., H. L. Dreifuss.
2d Lt., John F. Barry.

COMPANY "G"—(Williamsport).
Capt., J. C. White.
1st Lt., Nelson S. Updegraff.
2d Lt., Albert W. Coxe.

COMPANY "H"—(Lock Haven).
Capt., Albert R. Poorman.
1st Lt., Charles E. Donahue.
2d Lt., Roy S. Johnson.

COMPANY "I"—(Williamsport).
Capt., Clarence McMurray.
1st Lt., Clarence W. Kiess.
2d Lt., John G. Andrews.

COMPANY "K"—(Sunbury).
Capt., William L. Blain.
1st Lt., Clyde M. Smith.
2d Lt., Silas H. Schoch.

COMPANY "L."—(Bellefonte).
Capt., William H. Brown.
1st Lt., Edward R. Taylor.
2d Lt., J. Linn Blackford.

COMPANY "M"—(Lewistown).
Capt., John W. Fleming.
1st Lt., Russell I. Baker.
2d Lt., John J. O'Hara.

FOURTH BRIGADE

Brig. Gen., James B. Coryell, 1015 Penn Sq. Bldg.

Adj. Gen. Maj. John H. Minds, 1001 Chestnut St.
Inspector Maj., M. H. Taggart, Sunbury, Pa.
Judge Advocate, Major J. M. Shindel, Lebanon.
Q. M. Maj., Livingston V. Rausch, State Arsenal.
Com. of Subsistance, Maj. H. C. Byers, Pottstown.
Ordnance Officer, Maj. Charles D. Rhoads, Allentown
Maj. and Surg., Major Ralph W. Montelius, Mt. Carmel, Pa.
Capt. and Q. M., George W. Minds, 1001 Chestnut St.

NON-COMMISSIONED STAFF.
Sergt. Maj.. A. O. Winchester, 1011 Chestnut St.
Q. M. Sergt., J. Leedom Lewis, 33rd and Walnut Streets, Philadelphia,
Com. Sergt., Paul S. Wynne. Phoenixville.
Ord. Sergt., Lloyd Jones, 316 N. Main Street, Bethlehem, Pa.
Color Sergt., Charles J. Mitchell, 33rd and Walnut Streets, Philadelphia.
Trumpeter, John F. McDermott, 632 S. Bambrey Street, Philadelphia.

FOURTH REGIMENT INFANTRY

(Headquarters, Allentown, Pa.)

Col., C. T. O'Neill, Allentown.
Lt. Col., John M. Groff, Lancaster.
Maj., Marshall L. Case, Lebanon.
Maj., Edward C. Shannon, Columbia.
Maj., Frank D. Beary, Allentown.
Capt. and Adj., Henry A. Reninger, Allentown.
Capt. and Q. M., R. Otto Wollmuth, Bethlehem.
Capt. and Commissary, William C. Rhem, Lancaster.
Capt. and I. S. A. P., William A. Ruch, Allentown.
Capt. and Chaplain. Rev. Charles Schall, Greensburg.
1st Lt. and Batt. Adj., Guy P. Brown, Allentown
1st Lt. and Batt. Adj., Emmett Gherst, Hummelstown
1st Lt. and Batt. Adj., Cleon N. Berntheizel, Columbia.
2d Lieut. and Batt. Q. M. and Comsy., Harry W. Foster, Bethlehem, Pa.
2d Lieut. and Batt. Q. M. and Comsy., Glenn G. Allison, Harrisburg.
2d Lieut. and Batt. Q. M. and Comsy., Arthur C. Jenvey, Palmerton.
Maj., George F. Potteiger, Hamburg, Pa.
1st Lt., Eugene H. Dickenshied, Allentown.
1st Lt., Samuel H. Heller, Lancaster.

NON-COMMISSIONED STAFF.
Regt. Q. M. Sergt., Franklin Cole, Bethlehem, Pa.
Regt. Sergt. Maj., Harry P. Burd, W. Bethlehem.
Regt. Commissary Sergt., Theodore E. Kresge, South Bethlehem.
Regt. Color Sergt., Charles M. Uhl, Allentown.
Regt. Color Sergt.. William J. Steckel, Allentown.
Batt. Sergt. Maj., Edw. D. Fried, Allentown.
Batt. Sergt. Maj., William S. Fink, Allentown.
Batt. Sergt. Maj., Harry P. Burd, W. Bethlehem.

COMPANY "A"—(Reading).
Capt., H. Melvin Allen.
1st Lt., J. Lewis Lengle.
2d Lt., Edward V. Kestner.

COMPANY "B"—(Allentown).
Capt., Orlando Miller, Allentown.
1st Lt., Carroll H. Hudders, Allentown.
2d Lt., Edward Romig.

COMPANY "C"—(Columbia)
Capt., Hiram W. Snyder.
1st Lt., Charles D. Hogendobler.
2d Lt., George M. Rodenhauser.

COMPANY "D"—(Allentown)
Capt., William C. Gessner.
1st Lt., John E. Dillinger.
2d Lt., Ferry C. Bernhard.

COMPANY "E"—(Hamburg
Capt., Mandon L. Machemer.
1st Lt., Lewis A. Loy.
2d Lt., Harrison F. Seaman.

COMPANY "F"—(Pottsville
Capt., Harry G. Mellon.
1st Lt., Joseph I. Knebel.
2nd Lt., Daniel S. Gressang.

COMPANY "G"—(Pine Grove)
Capt., Phaon E. Sheidy.
1st Lt., Edward C. Kantner.
2d Lt., Theodore C. Fegley.

COMPANY "H"—(Lebanon)
Capt., Harry D. Case.
1st Lt., Harry U. Dougherty.
2d Lt., Harry Barnhart.

COMPANY "I"—(Reading)
Capt., Charles G. Miller.
1st Lt., Harry E. Wooten.
2d Lt., William A. Kauffman.

COMPANY "K"—(Lancaster).
Capt., Quinton O. Reitzel.
1st Lt., James N. Lightner.
2d Lt., George Hook.

COMPANY "L."—(Not Organized).
Capt.
1st Lt.
2d Lt.

COMPANY "M."—(Not Organized).
Capt.
1st Lt.
2d Lt

EIGHTH REGIMENT INFANTRY

(Headquarters, Harrisburg, Pa.)

Col., Joseph B. Hutchison, Harrisburg.
Lt. Col., Wm. G. Speck, Carlisle.
Maj., M. E. Finney, Harrisburg.
Maj., Adam Garver, York.
Maj., Elisha M. Vale, Carlisle.
Capt. and Adj., Harry C. Houtz, Harrisburg.
Capt. and Q. M., E. H. Schell, Harrisburg.
Capt. and Commissary, Chas. C. Bischoff, Tamaqua.
Capt. and I. S. A. P., Owen M. Copelin, Harrisburg.
Capt. and Chaplain, Harry N. Bassler, Harrisburg.
1st Lt. and Batt. Adj., James W. Hoepstine, Pottsville.
1st Lt. and Batt. Adj., Geo. M. Hays, Carlisle.
1st Lt. and Batt. Adjt., H. H. Baker, Harrisburg.
Maj. and Surg., J. Markwood Peters, Steelton.
Capt. and Asst. Surg., Jonathan C. Biddle, Fountain Springs.
1st Lt. and Asst. Surg., W. H. Clewell, Summit Hill.

QUARTERMASTERS AND COMMISSARIES.
First Battalion, 2nd Lieut., Jesse Webb, Mahanoy City.
Second Battalion, E. M. B. Shepp, Tamaqua.
Third Battalion, 2d Lieut., Ralph C. Crow, Lemoyne Pa.

NON-COMMISSIONED STAFF.
Regt. Sergt. Maj., Robt. D. Jenkins, Harrisburg.
Regt. Quartermaster Sergt., R. Ross Seaman, Harrisburg.
Regt. Commissary Sergt., Fred W. Huston, Harrisburg.
Regt. Color Sergt., John K. Spangler, Harrisburg.
Regt. Color Sergt., Clayton Y. Parthemore, Harrisburg.
Chief Musician, John T. Sheafer, Carlisle.
Batt. Sergt. Maj., Geo. Eckert, Pottsville.
Batt. Sergt. Maj., Francis P. Whare, York, Pa.
Batt. Sergt., (vacancy).
Hospital Steward, John A. Clewell, Summit Hill.

COMPANY "A"—(York).
Capt., Wm. H. Baublitz.
1st Lt., Edw. B. Witmer.
2d Lt., George J. Anderson.

COMPANY "B"—(Tamaqua).
Capt., H. H. Knies.
1st Lt., Robt. J. Graeff.
2d Lt., William H. Hinkle.

COMPANY "C"—(Chambersburg).
Capt., L. H. Huber.
1st Lt., C. B. Danfelt.
2d Lt., Harlan S. Ambrose.

COMPANY "D"—(Harrisburg).
Capt., J. J. Hartman.
1st Lt., John T. Bretz.
2d Lt., Josiah P. Wilbur.

COMPANY "E"—(Mahanoy City).
Capt,. Abraham Hinch.
1st Lt., James Painter.
2d Lt., Edward Eugene Dilsher.

COMPANY "F."—(Huntingdon).
Capt., George B. Corbin.
1st Lt., Paul V. Heffner.
2d Lt., C. H. Hatfield.

COMPANY "G"—(Carlisle)
Capt., John M. Rudy.
1st Lt., Hayes R. McLaughlin.
2d Lt., Robert W. Irving.

COMPANY "H"—(Pottsville)
Capt., Samuel B. Edwards.
1st Lt., Samuel E. Brommer.
2d Lt., Martin Howell.

COMPANY "I"—(Harrisburg)
Capt., Frank E. Ziegler.
1st Lt., A. H. Elser.
2d Lt., Charles H. Chambers.

COMPANY "K"—(York).
Capt., W. W. Van Baman.
1st Lt., Chas. A. Hartman.
2d Lt., Thos. R. Jones.

COMPANY "L."—(Bedford)
Capt., Frederick A. Metzger.
1st Lt., Harry E. Miller.
2d Lt., Donald C. Reiley.

COMPANY "M."—(Not Organized).
Capt.
1st Lt.
2d Lt.

SIXTH REGIMENT INFANTRY

Adjutant's Office, 15th and Arch Sts.

Colonel, Gibbons Gray Cornwell, West Chester.
Lt. Col., Lucien M. Wiler, 223 South Fifth Street.
Major, Thomas Biddle Ellis, 1011 Chestnut Street.
Major, I. Price Ewing, 1421 Arch Street.
Major, Samuel O. Wynne, Phoenixville, Pa.
Capt. and Adj., Ralph W. Knowles, 6109 Master St.
Capt. and Q. M., John T. Duffey, 4039 Sansom St.
Capt. and Commissary, (vacancy-.
Capt. and I. S. A. P., John J. O'Brien, 2020 Montgomery Avenue.
Capt. and Chaplain, Henry A. F. Hoyt, Cynwyd.
1st Lt. and Batt. Adj., Frank A. Hoppe, 1743 North Darien Street.
1st Lt. and Batt. Adj., Wilbert Mathis, Media.
1st Lt. and Batt. Adj., Lloyd Ross Blynn, Ambler.
2d Lt., Batt. and Q. M. and Com., Lawrence F. McOwen, 14 S. Broad Street.
2d Lt. and Batt. Q. M. and Com., (vacancy).
2d Lt., Batt. and Q. M. and Com., Winfield S. Schuyler, Pottstown.
Major and Surg., Herbert A. Arnold, Ardmore.
1st Lt. and Asst. Surgeon, Karl Schaffle, 822 South 49th Street.
Capt. and Asst. Surg., (vacancy).

NON-COMMISSIONED STAFF.
Regt. Sergt. Maj., J. Bert Smith, West Chester, Pa.
Regt. Q. M. Sergt., Robert A. Cronshey, 310 Queen Street, Germantown.
Regt. Commissary Sergt., Joseph F. Walls, 148 N. Edgewood Street, West Philadelphia.
Regt. Color Sergt., Frank Missimer, 4141 Woodland Ave.
Regt. Color Sergt., Humphrey Porterfield, 139 North 13th St.
Chief Musician. W. Reg. Herbert, 902 N. Forty-second Street.
Batt. Sergt. Maj., John G. Andress, West Chester, Pa.
Batt. Sgt. Maj. F. Earl Helsel, Doylestown.

Batt. Sergt. Maj., (vacancy).
Sergt., William C. Williams, 1st Inf., U. S. A.

COMPANY "A"—(Pottstown).

Capt., Charles F. Gruber.
1st Lt., Wm. K. Davis.
2d Lt., (vacancy).

COMPANY "B"—(Chester)

Capt., Prosper J. Boudart, Jr.
1st Lt., Samuel R. Linville.
2d Lt., Francis A. Boudart.

COMPANY "C"—(Chester)

Capt., H. P. Vercoe.
1st Lt., West E. Blain.
2d Lt., Henry B. Blackburn.

COMPANY "D"—(Phœnixville)

Capt., Thomas O'Brien.
1st Lt., M. Aubrey Pyle.
2d Lt., Ralph A. Kluge.

COMPANY "E"—(Fifteenth and Arch Streets)

Capt., Louis L. Tafel, 910 Franklin Bank Bldg.
1st Lt., Joseph W. Thompson, 2554 Page Street.
2d Lt., Paul H. Shubert.

COMPANY "F."—(Norristown)

Capt., Wm. T. Earl.
1st Lt., John M. Booth.
2d Lt., George Wanger.

COMPANY "G"—(Doylestown)

Capt., Abel M. MacReynolds.
1st Lt., Harry S. Myers.
2d Lt., (vacancy).

COMPANY "H"—(Media)

Capt., William Westcott, 1692 Wallace St., Phila.
1st Lt., George Wilmor Sharp.
2d Lt., Henry Colton Saulnier.

COMPANY "I"—(West Chester).

Capt., John S. Clark.
1st Lt., Wm. S. Baird.
2d Lt., (vacancy).

COMPANY "K"—(Fifteenth and Arch Sts.)

Capt., J. Harry Mihlbauer.
1st Lt., Harry P. McLaughlin.
2d Lt., Frank P. Haller, Jr.

COMPANY "L"—(Fifteenth and Arch Sts.)

Capt., Wm. H. McClune.
1st Lt., Joseph B. Raulston.
2d Lt., E. Morris De Cann.

COMPANY "M"—(Fifteenth and Arch Sts.)

Capt., Percy J. Pullen.
1st Lt., James Ibinson.
2d Lt., Frederick Jaspersen.

FIRST BRIGADE

(Headquarters, 803 West End Trust Bldg., Phila.)

Brig. Gen., Wm. G. Price, Jr., 815 Land Title Bldg.
Adj. Gen., Maj. Charles C. Norris, Jr., 800 West End Trust Building.
Q. M., (vacancy).
Commissary of Subsistence, Maj. Frank L. Mueller, 505 Woodland Terrace.
Inspector, Maj. Robert M. Brookfield, 1616 Diamond Street.
Judge Advocate, Maj. Howard A. Davis, Franklin Building.
Ordnance Officer, Maj. E. Claude Goddard, 1911 North Thirty-third Street.
Maj. and Surg., Wm. J. Ashenfelter, Pottstown.

NON-COMMISSIONED STAFF.

Sergt. Major, Howard M. Cantrell, 552 Dupont St., Roxborough.
Post Quartermaster Sergt., George Christie, Jr., 2320 Tasker Street.
Post Commissary Sergt., Augustine L. Murray, 1930 Gratz Street.
Post Ord. Sergt., (vacancy).
Chief Musician, (vacancy).
Color Sergt., Walter Hyzer, 417 Moyer Street.

SECOND REGIMENT INFANTRY

(Armory, North Broad Street, above Diamond, Philadelphia.)

Col., Hamilton D. Turner, 2459 N. 19th Street.
Lt. Col., Thomas J. Ross, 3403 Cumberland Street.
Maj., Fred. Sharp, 748 E. Westmoreland Street.
Maj., John H. Hall, 1018 Real Estate Trust Bldg.
Maj., W. Preston Tyler, 1326 S. Forty-sixth Street.
Maj. and Surg., George S. Crampton, 1700 Walnut St.
Capt. and Adj., K. K. V. Casey, care duPont Powder Works, Wilmington, Del.
Capt. and Q. M., Jacob H. Geissel, 2218 N. 29th Street.
Capt. and Commissary, Wm. S. Wadsworth, 207 S. 45th Street.
Capt. and Chaplain, William B. Chalfant, 252 N. 13th Street.
Capt. and I. S. A. P., J. Knight Reeder, 132 S. Second Street.
1st Lt. and Batt. Adj., Robert F. Gordon, 117 Rutledge Ave., Rutledge, Pa.
1st Lt. and Batt. Adj., Andrew R. Lockhart, 3726 N. 8th Street.
1st Lt. and Batt. Adj., Jos. Moorhead, 1214 N. Forty-first Street.
1st Lt. and Asst. Surg., Peter McC. Keating, Pennsylvania Hospital.
1st Lt. and Asst. Surg., Thos. G. Aller, Pennsylvania Hospital.
2d Lt. and Batt. Q. M. and Com,, George F. Ingram, 410 Reading Terminal.
2d Lt. and Batt. Q. M. and Co., W. A. Blackford, Green Tree Inn. West Chester, Pa.
2d Lt. and Batt. Q. M. and Co., John H. Liessee, 820 W. Moyamensing Ave.

NON-COMMISSIONED STAFF.

Reg. S. M., Edward C. Pope, 1221 Harold Street.
Regt. Q. M. Sergt., John P. Collins, 2245 Woodstock Street.
Regt. Commissary Sergt., Ralph W. Pope, 2554 Manayunk Ave., Roxborough.
Regt. Color Sergt., Wm. J. Maybee, 2 24 S. Cecil St.
Regt. Color Sergt., Theodore Springer, 1210 East Oxford Street.
Chief Musician, A. Frank Bergey, 1115 W. Dauphin Street.
Batt. Sergt. Major, Wm. S. Connelly, 1612 W. Lehigh Avenue.
Batt. Sergt. Major, Harry J. Rich, 1238 N. Darien Street.
Batt. Sergt. Major, Frederick R. Lash, 1628 S. Eleventh Street.

COMPANY "A."

Capt., James Neely Johnston, 2547 Christian St.
1st Lt., Percival E. Thornton, 3556 Reta St., Wissahickon.
2d Lt., Lawrence McDonough, 1312 Green Street.

COMPANY "B."

Capt., Francis W. Leng, 2311 East Fletcher Street.
1st Lt., (vacancy).
2d Lt., Newton D. Bechtold, 2238 N. Delhi Street.

COMPANY "C."

Capt., Robert G. MacKendrick, 771 Broad Street Station.
1st Lt., (vacancy).
2d Lt., Frank W. Pinkerton, 1734 N. 10th Street.

COMPANY "D."

Capt., George W. Durang, 2517 N. 18th Street.
1st Lt., J. Clark Mansfield, 2223 Estaugh Street.
2d Lt., Alfred M. Barras, 1029 Walnut Street.

COMPANY "E."

Capt., Benjamin O. Frick, Land Title Bldg.
1st Lt., Romanus Fellman, 281 W. Wingohocking St.
2d Lt., H. Walter Gough, 2460 N. 32nd St.

COMPANY "F."

Capt., George A. Morrison, 5639 Appletree Street.
1st Lt., Vincent C. Kenny, 1208 Lemon Street.
2d Lt., Thomas E. Fleming, 2838 N. Taney Street.

COMPANY "G."

Capt., Albert H. Ladner, Jr., 702 Land Title Bldg.
1st Lt., (vacancy).
2d Lt., William M. Rowland, 6948 Marsden St., Tacony.

COMPANY "H."

Capt., M. J. Pickering, Land Title Bldg.
1st Lt., James P. Rossiter, 1627 Huntingdon Street.
2d Lt., Stanley W. Root, Land Title Building.

COMPANY "I."

Capt., Frederick F. Knapp, 5220 Market Street.
1st Lt., George L. Taylor, 2530 Turner Street.
2d Lt., Jack C. Albers, 1503 Mifflin Street.

COMPANY "K."

Capt., Harry H. Walton, 2925 Ruth St.
1st Lt., Hugh G. Hamilton, 3812 Spruce St.
2d Lt., David T. Nevin, 9 S. 16th Street.

COMPANY "L."

Capt., Ralph J. Childs, 6741 Glenlock St., Tacony.
1st Lt., Edward C. Hessenbruch, 8 N. 5th Street.
2d Lt., Chas. H. Pike, University of Pennsylvania.

COMPANY "M."

Capt., Charles McBride, 1834 S. 57th Street.
1st Lt., J. Wm. H. Weber, 1715 Oxford Street.
2d Lt., Aloysius F. Smiley, 2706 Brown Street.

FIRST REGIMENT INFANTRY

(Armory, S. E. Cor. Broad and Callowhill Streets, Philadelphia.)

Col., William F. Eidell, 5234 Chestnut Street.
Lt. Col., Albert L. Williams, care of Armory.
Major, Geo. B. Zane, Jr., 620 Mohawk Avenue, Norwood, Pa.
Major, Chas. P. Hunt, 7031 Greenway Avenue.
Major, (vacancy).
Capt. and Adj., Millard D. Brown, 21 W. Tulpehocken Street, Germantown.
Capt. and Q. M., Edwin E. Hollenback, 630 N. Fifty-sixth Street.
Capt. and Commissary, R. C. Winter, 1725 N. Park Avenue.
Capt. and I. S. A. P., Clarence B. Bishop, 807 N. Sixty-third Street.
Capt. and Chaplain, (vacancy).
1st Lt. and Batt. Adj., Clarence J. Kensil, 215 South Eleventh Street.
1st Lt. and Batt. Adj., J. Howard Reeve, 1421 East Montgomery Avenue.
1st Lt. Batt. Adjt., Stanley N. Poulterer, 4916 Warrington Avenue.
Major and Surg., Charles S. Turnbull, 1935 Chestnut Street.
1st Lt. and Asst. Surgeon, Fred. O Waage, 4104 Girard Avenue.
1st Lt. and Asst. Surgeon, Eugene Swayne, 1726 Wallace Street.
2d Lt. Batt. Q. M. and Comsy., Arthur J. Purssell, 803 West End Trust Building.
2d Lt. Batt. Q. M. and Comsy., David B. Simpson, 6317 McCallum St., Germantown.
2d Lt. Batt. Q. M. and Comsy., A. W. Mathues, 330 W. State St., Media.

NON-COMMISSIONED STAFF.

Regt. Sergt. Maj., Arthur R. Ege, 5426 Irving St.
Regt. Q. M. Sergt., John S. Raynor, 2084 E. Elkhardt Street.
Regt. Commissary Sergt., vacancy.
Regt. Color Sergt., Eugene H. Waage, 2447 North Marshall Street.
Regt. Color Sergt., James Gray, 1307 Cherry Street.
Chief Musician, Wm. E. Chapin, 2131 N. 21st Street.
Batt. Sergt. Maj., H. P. Hunt, 577 St. Marks Avenue, Brooklyn, N. Y.
Batt. Sergt. Maj., (vacancy).
Batt. Sergt. Maj., (vacancy).

COMPANY "A."

Capt., Edward S. Townshend, 510 S. 55th St.
1st Lt., Rush T. Haines, 1417 N. Robinson Street.
2d Lt., Walter M. Gerty, 2558 North Hutchinson St.

COMPANY "B."

Captain, Edward John Adams, 5314 Osage Avenue.
1st. Lt., Leonard B. Johnston, 122 N. Redfield St.
2d Lt., Harry G. Andrews, 2528 N. Thirty-first Street.

COMPANY "C."

Capt., Isaac W. Drew, 5450 Ridge Avenue.
1st Lt., John F. Bacon, 2605 Columbia Avenue.
2d Lt., Allen R. Evans, 1707 Green Street.

COMPANY "D."

Capt., Joseph Klapp Nicholls, 3804 Spruce Street.
1st Lt., George van H. Potter, 2502 S. 19th Street.
2d Lt., Harry Hartley, 3743 Spruce Street.

COMPANY "E."

Capt., J. Henry H. Van Zandt, 5733 Pine Street.
1st Lt., Edmund G. Eilber, 2223 Lambert St.
2nd Lt., George M. Orf, 1736 Cortlandt Street

COMPANY "F."

Capt., C. A. Blumhard, 2030 Westmoreland Street.
1st Lt., Joseph L. Castle, 406 Colwyn Ave., Colwyn, Pa.
2d Lt., Caldwell K. Lockade, 634 S. 62d St.

COMPANY "G."

Capt., Arthur S. Fritzinger, Norwood, Delaware County.
1st Lt., Harry B. Williamson, Llanerch, Delaware County, Pa.,
2d Lt., Horace J. Inman, Cape May Court House, N. J.

COMPANY "H."

Capt., Wm. C. Levering, 383 Lemont Street, Roxboro, Philadelphia.
1st Lt., Theodore W. Cook, 263 South Fifty-fifth Street.
2d Lt., George W. Johnston, 1414 Ritner Street.

COMPANY "I."

Capt., Thomas F. Meehan, 5044 Summer Street.
1st Lt., Percy H. Douglass, 830 N. 40th St.
2d Lt., (vacancy).

COMPANY "K."

Capt., Charles F. Hess, 4039 Powelton Avenue, Philadelphia.
1st Lt., Wm. L. Roundtree, 614 North Twenty-first St.
2d Lt., Peter C. Hess, Bala, Penna.

COMPANY "L."

Captain, Charles H. Ward, 2717 Dover Street.
1st Lt., Robert B. Atwood, 1731 Francis Street.
2d Lt., J. Howard Fielding, Llanerch, Del. Co.,

COMPANY "M."

Capt., H. Clifton Trout, 1003 Stephen Girard Bldg.
1st Lt., Warring F. Kunstman, 5934 Hagerman St.
2d Lt., (vacancy).

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Address official communications to Box 306, Central P. O., Philadelphia, Pa.

(Armory, South Broad Street, Philadelphia.)

Col., Caldwell K. Biddle, 1510 Walnut Street.
Lt., Col. Charles T. Cresswell, 2122 Locust Street.
Maj., George E. Kemp, 2020 South Sixteenth Street.
Maj., John F. Smull, 2544 W. Lehigh Avenue.

Maj., James Robinson, 1111 Morris Street.
Capt. and Adj., Benjamin H. Whittaker, P. O. Box 306, Central Station, Philadelphia, Pa.
Capt. and Q. M., Charles C. Meyers, 1621 Berks St.
Capt. and Commissary, Charles J. Hendler, 1107 Betz Building.
Capt. and I. S. A. P., George H. Smith, 1145 S. Broad Street.
Capt. and Chaplain, (vacancy).
1st Lt. and Batt. Adj., George M. Hulme, P. O. Box 306 Central Station, Philadelphia, Pa.
1st Lt. and Batt. Adj., J. Morgan Lister, 5612 Germantown Avenue.
1st Lt. and Batt. Adjt., Robert Morris, 422 Walnut Street.
Maj. and Surgeon, George M. Coates, 2032 Chestnut Street.
Capt. and Asst. Surg., Henry H. Doan, 152 West Hortter Street.
1st Lt. and Asst. Surg., Leon F. Luburg, 1822 Girard Avenue.
2d Lt. Batt. Q. M. and Com., J. Albion Griffin, 525 North Sixty-third Street.
2nd Lt. Batt. Q. M. and Com., Louis H Schmidt, 1231 Market Street.
2nd Lt. Batt. Q. M. and Com., (vacancy).

NON-COMMISSIONED STAFF.

Regt. Sergt. Maj., John L. Gefrorer, 5231 Haverford Avenue.
Regt. Q. M. Sergt., George F. O'Hea, 2327 St. Albans
Regt. Commissary Sergt., William C. Long. 2800 Peltz Street.
Regt. Co'or Sergt., George H. Drayton, 247 N. Simpson Street.
Regt. Color Sergt., Joseph H. Cowperthwait, 935 Susquehanna Avenue.
Chief Musician, Edwin Brinton. 5524 Hunter Avenue.
Batt. Sergt. Maj., Thomas J. Kernaghan, 6223 Reedland Street.
Batt. Sergt. Maj., William D. Bennage, 1824 North Camac Street.
Batt. Sergt. Maj., Dale B. Lelar, 247 Pine Street.
Sergeant, Ernest V. Mooney, 4th Regt., U. S. A., 1718 Wallace Street.

COMPANY "A."

Capt., Dean Garvin, 1528 Wallace Street.
1st Lt., Reuben T. Shaw, 245 S. 51st Street.
2d Lt, Frederic J. Hammes, 1608 S. 24th St.

COMPANY "B."

Capt., Robert Bright, 2746 Hemberger Street.
1st Lt., Hugo C. A. Michaelis, 58 N. Salford Street.
2d Lt., (vacancy).

COMPANY "C."

Capt., Howard T. Bluett. 2351 North Tenth Street.
1st Lt., Walter A. Hargesheimer, 1436 Shunk Street.
2d Lt., Frank P. Ruddat, 2424 Iseminger Street.

COMPANY "D."

Capt., Ralph S. Croskey, 3812 Locust Street.
1st Lt., William H. Fantom, 5132 Hadfield Street.
2d Lt., Kenneth C. Angney, 423 S. 15th Street.

COMPANY "E."

Capt., Lewis Leyman, 1913 So. 21st Street.
1st Lt. (vacancy).
2d Lt., (vacancy).

COMPANY "F."

Capt., Andrew E. Olsen, 2420 South Ninth Street.
1st Lt., Charles P. Wagner, 2852 N. 19th Street.
2d Lt., Bernard F. Killion, 6809 Woodland Avenue

COMPANY "G."

Capt., Harry Edwards, 5144 Parrish Street.
1st Lt., (vacancy).
2d Lt., (vacancy).

COMPANY "H."

Capt., Louis P. Hoyer, 2209 N. 22nd Street.
1st Lt., J. Horace Adams, 1330 W. Allegheny Ave.
2d Lt., Charles R. Stoll, 1960 N. 31st Street.

COMPANY "I."

Capt., Frank H. Henry, 5032 Market Street.
1st Lt., Wm. H. Schenkel, 1701 S. 20th Street.
2d Lt., Hugh M. Shannon, 609 N. 52nd Street.

COMPANY "K."

Capt., George Blair, 2927 Columbia Avenue.
1st Lt., Charles H. Nitsch, 2461 N. 19th Street.
2d Lt., Bernice Megonegal, 5544 Master Street.

COMPANY "L."

Capt., John W. Foos, 929 N. 50th Street.
1st Lt., Clarence K. Hammitt, 32 E. State Street, Trenton, N. J.
2d Lt., (vacancy).

COMPANY "M."

Capt., Warren S. Hood, 241 N. Paxson Street.
1st Lt., Albert W. Hoguet, Norwood, Pa.
2d Lt., Frank P. Gress, 5041 Parrish Street.

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Colonel, William S. McKee, 7258 Kelly Street, Pittsburgh, Pa.
Lieut. Col., Albert V. Crookston, 7826 Kelly Street, Pittsburgh, Pa.
Maj., T. Ray McLain, City Hall, Pittsburgh, Pa.
Maj., James E. King, 321 Savannah Avenue, Wilkinsburg.
Maj. Surg., James F. Edwards, M. R. C., U. S. A., Public Safety Bldg., Pittsburgh.
Capt. and Adj., Howard B. Oursler, P. O. Box 1224, Pittsburgh, Pa.
Capt. and Comsy., William J. Sheehan, Fifth Avenue, McKeesport, Pa.
Capt. and I. S. A. P., George B. Shields, 908 Ramsey Street, Wilkinsburg.
Capt. and Quartermaster, Murray G. Livingston, Public Safety Bldg., Pittsburgh.
Capt. and Chap., Charles M. Miller, Western Penitentiary, Pittsburgh.
1st Lt. and B. A., Alexander D. Guy, Coraopolis, Pa.
1st Lt. and B. A., Oliver O. Mechling, 37 Bell Avenue North Braddock.
1st Lt. and A. S., William J. Crookston, 5905 Penn Ave., Pittsburgh.
1st Lt. and A. S., Charles E. Reif, 616 Chestnut St., N. S., Pittsburgh.
2d Lt. and B. Q. and C., Thomas B. Easton, R. F D., No. 58, Sharon, Pa.
2d Lt. and B. Q. and C., Elmer A. Barchfield, 106 18th Street, S. S., Pittsburgh.

NON-COMMISSIONED STAFF.

Regt. Sergt. Maj., David Anderson, Jr., 1032 Montier Street, Wilkinsburg.
Regt. Q. M. Sergt., Joseph W. Kane, 826 Turner Street, N. S., Pittsburgh.
Regt. Com. Sergt., Norman M. Sterrett, 3505 Fifth Ave., Beaver Falls, Pa.
Chief Musician, Vincent D. Nirella, 4800 Atlantic Avenue, Pittsburgh.
Regt. Color Sergt., Charles W. Campbell, 19 Simms St., Pittsburgh.
Regt. Color Sergt., John F. Bridge, Pitt Boulevard, near Shady Avenue, E. E. City.
Batt. Sergt. Maj., John E. Haettenschweyler, 514 Grandview Ave., East Pittsburgh, Pa.
Batt. Sergt. Maj., Roy T. Sharp, 425 South Main St., Pittsburgh.
Sergeant, Ralph M. Valentine, Co. E, 3d U. S. Infantry, 809 Monitor St., N. S., Pittsburgh, Pa.
Maj. Surg., James F. Edwards, M. R. C., U. S. A., Public Safety Bldg., Pittsburgh.

COMPANY "A."

Armory, 515 4th Avenue.

Capt., Robert G. Snyder, 608 Ross Avenue, Wilkinsburg, Pa.
1st Lt., Joseph M. Brown, Ross Ave., Wilkinsburgh.
2d Lt., William J. Miller, Wilkinsburg.

COMPANY "B."

Armory, 515 4th Avenue.

Captain, William J. Sterrett, East Pittsburgh, Pa.
1st Lt., William A. McElravy, Coraopolis, Pa.
2d Lt., Robert O. Robinson, 1015 Franklin St., N. S., Pittsburgh.

COMPANY "C."—(Not Organized.)

Capt.
1st Lt.
2d Lt.

COMPANY "D."

(Armory, 716 First St., N. S., Pittsburgh, Pa.)

Capt., Walter L. Wilson, 2621 Ellis Avenue, N. S., Pittsburgh.
1st Lt., (vacancy).
2d Lt., Norman McD. Grier, 1936 Clayton Avenue. Pittsburgh, Pa.

COMPANY "E."

Capt., Robert W. Cooper, 5902 Baum Street.
1st Lt., Harry L. Probst, 415 South Ave., Wilkinsburgh.
2d Lt., Clarence L. Robbins.

COMPANY "F."

Armory, 7100 Race Street, Pittsburgh.

Capt., Samuel R. McKamish, 7336 Hermitage St.
1st Lt., E. A. Ohotnecky, 610 Second Street, Braddock, Pa.
2d Lt., Lloyd Woods McIntyre, 505 Trenton Avenue, Wilkinsburg.

COMPANY "G."

Armory, 515 4th Avenue.

Capt., Owen H. Garrison, 920 Ramsey Street, Wilkinsburg.
1st Lt., Thomas F. McVilla, 1417 Fallowfield Avenue.
2d Lt., Charlie B. Reed, 1441 Coal St., Wilkinsburg.

COMPANY "H."

(Armory, 716 First St., N. S., Pittsburgh, Pa.)

Capt., Paul R. Northart, 411 East Ohio Street, N. S., Pittsburgh.
1st. Lt., Benj. F. Rice, Pittsburgh, Pa.
2d Lt., Paul R. Vitte, Pittsburgh, Pa.

COMPANY "I."

Armory, 7100 Race Street, East End.

Capt., Benj. W. Haseltine, 2011 Monroe Street Swissvale.
1st Lt., Wm. G. Fullman, 5222 South Atlantic Avenue, E. E.
2d Lt., Charles I. Barr, 7504 Hermitage Street Pittsburgh,

COMPANY "K."

9th Avenue Rink, McKeesport.

Capt., Wm. J. Best, 516 Shaw Ave., McKeesport, Pa
1st Lt., Edward C. Thorne, 1017 Jenny Lind St., McKeesport, Pa.
2d Lieut., Wm. D. Fawcett, 502 5th Ave., McKeesport, Pa.

COMPANY "L."—(Not Organized.)

Capt.
1st Lt.
2d Lt.

COMPANY "M"—(Not Organized.)

Capt.
1st Lt.,
2d Lt.,

DEPARTMENT OF STATE POLICE.

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Deputy Superintendent, George F. Lumb, Harrisburg, Pa.
Troop "A," Greensburg, Captain Lynn G. Adams.
Lieutenant, Thomas F. Weichard
Troop "B," Wyoming, Captain J. F. Robinson.
Lieutenant, William A. Marsh
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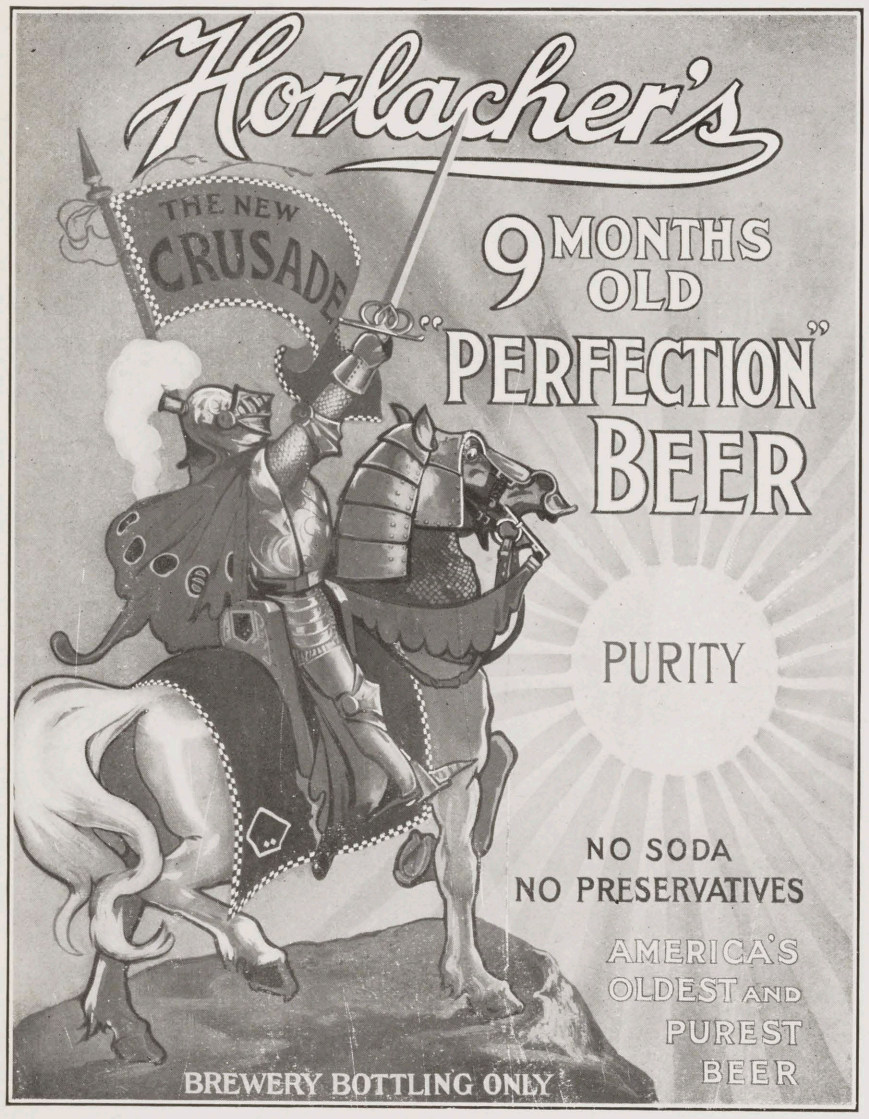

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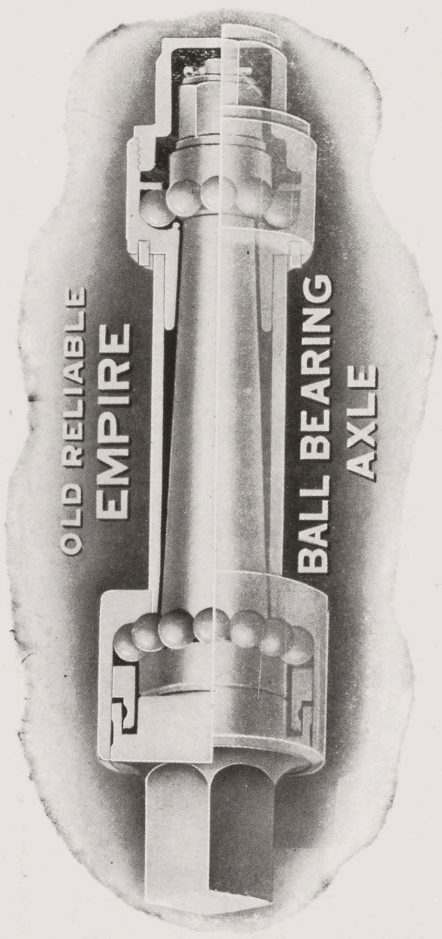

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Loans, Discounts and Securities	$2,262,066.22	Capital Stock	$200,000.00
U. S. Bonds	225,000.00	Surplus and Undivided Profits (earned)	221,480.65
Furniture and Fixtures	18,000.00	Circulation	197,100.00
Due from Banks and U. S. Treasurer	227,695.43	Due to Banks	64,565.26
Cash on hand	163,837.99	Accrued Interest on Deposits	12,094.95
	391,533.42	Unpaid Dividends	40.00
		Deposits	2,201,318.78
	$2,896,599.64		$2,896,599.64

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THOMAS J. KOCH, Vice-Pres.
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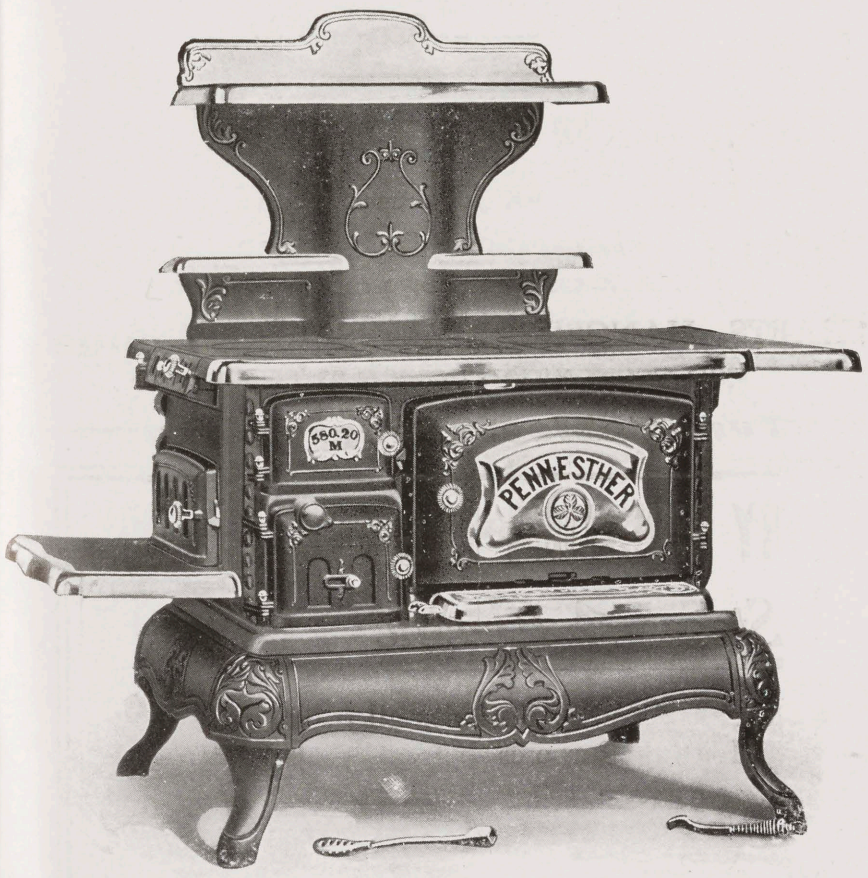

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Due from Banks	72,263.34
Cash and Reserve	1,331,648.02
	$6,685,638.82

Liabilities

Capital . .	$500,000 00
Surplus and Undivided Profits .	1,017,785.23
Circulation . .	494,400.00
Deposits . .	4,673,453.59
	$6,685,638 82

Comptroller's Call, June 7, 1911

CAPITAL . . . $500,000.00
SURPLUS . . . $900,000.00

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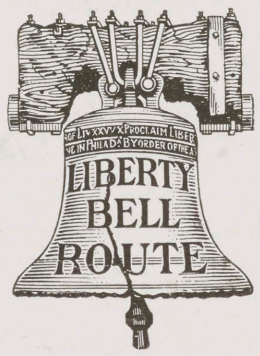

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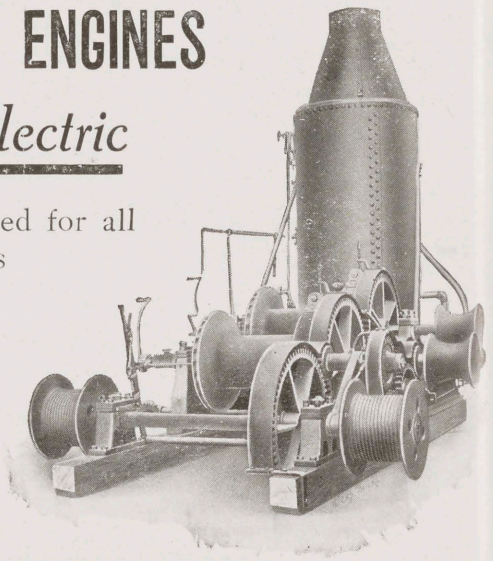

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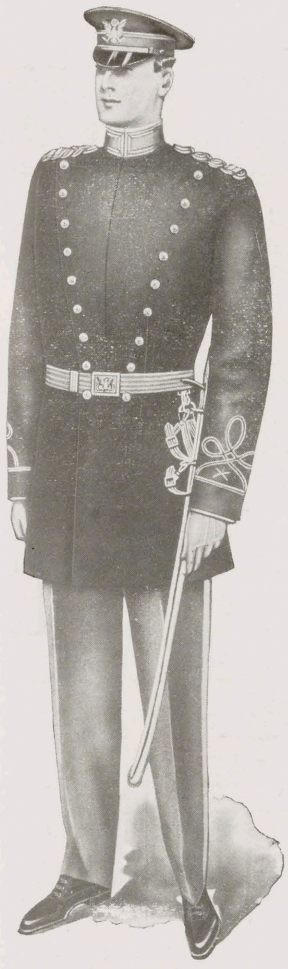

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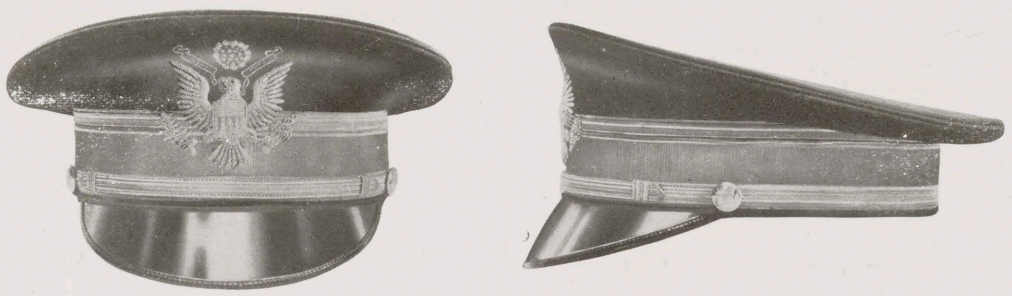

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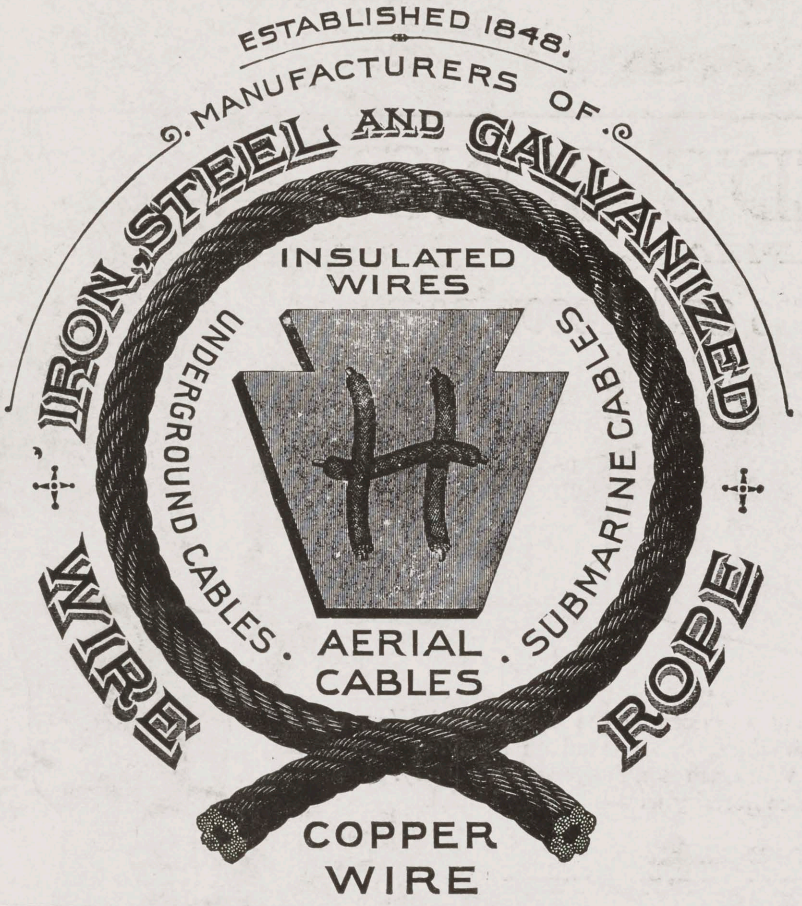

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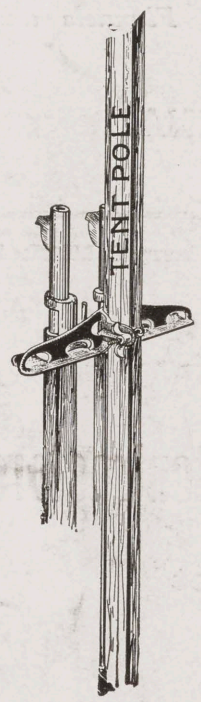

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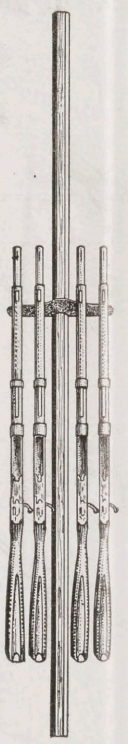
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